Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 137
Number 2

JANUARY 8, 1940

BONE ASH

A free-flowing, water insoluble white powder—manufactured at our Detroit Plant. Used in the ceramic, enamel and glass industries. Packed in bags or wood barrels. Prompt deliveries from stock.

"AA QUALITY" CHEMICAL PRODUCTS

Monocalcium Phosphate	Ammonium Carbonate	Sulphuric Acid
Dicalcium Phosphate	Bone Black Pigments	Gelatin
Disodium Phosphate	Sodium Silicofluoride	Phosphorus
Trisodium Phosphate	Sod. Acid Pyro Phosphate	Phosphoric Acid

The AMERICAN AGRICULTURAL CHEMICAL Co.
P. O. Box 2458 — Detroit, Mich.
33 Offices in Principal Cities in U. S., Cuba and Canada

RECEIVED
JAN 8 1940

LIBRARY
THE CHEMISTS' CLUB

STANNOCHLOR

(Anhydrous Stannous Chloride)

Possesses important advantages over Tin Crystals in stability, concentration and purity . . . . . .

PRIOR CHEMICAL CORPORATION - NEW YORK
420 LEXINGTON AVENUE
Chicago Office: 230 N. Michigan Ave.

Selling Agents for
Metal & Thermit Corporation

Established 1880

WM. S. GRAY & CO.

342 MADISON AVENUE
NEW YORK

Cable Address: Graylime
Phone: MUrray Hill 2-3101

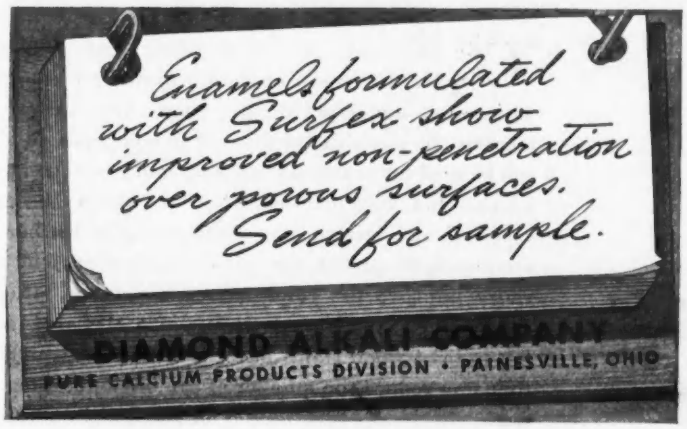
Manufacturers' Agents

Acetic Acid

ALL GRADES

TANK CARS BARRELS

INQUIRIES SOLICITED


Enamels formulated with Surfex show improved non-penetration over porous surfaces. Send for sample.
DIAMOND ALKALI COMPANY
PURE CALCIUM PRODUCTS DIVISION • PAINESVILLE, OHIO

PUBLICKER

COMMERCIAL ALCOHOL COMPANY
1800 W. LEHIGH AVENUE, PHILADELPHIA, PENNA.
MANUFACTURERS OF
ACETONE • BUTYL ALCOHOL
BUTYL ACETATE • AMYL ACETATE
ETHYL ACETATE
ALCOHOL
Pure and Denatured

Guaranteed 99½% to 100% Pure

BORAX

BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »
» Calcined » Anhydrous »
Borax Glass Manganese Borate Ammonium Borate

Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York
CHICAGO ILLINOIS

For Increased Dispersion and Penetration of Dyestuffs . . . *try Cellosolve Solvents*

"CELLOSOLVE" solvents produce a true solution of most dyestuffs. Since most of these solvents are completely miscible with water and organic compounds, they act as a coupler and increase the solubility of dyestuff in aqueous media. These solvents can be used for practically all classes of dyestuffs and are especially adapted to textile printing, where they help eliminate undesirable "specks" and scratches on print rolls. In leather finishing, they are excellent solvents for spirit soluble nigrosene dyes, and materially improve the color values of leather, producing brighter shades and tints. Through the use of "Cellosolve" solvents, modern fast-to-light wood stains have been evolved which shorten drying time and reduce the number of sanding operations. A better penetration of the dye into wood is obtained without raising of the grain . . . Although you may not have a dye problem where the "Cellosolve" solvents can help, perhaps the other uses at the right will suggest profitable applications.

n-CAPROIC ACID: In addition to "Cellosolve" compounds, Carbide and Carbon Chemicals Corporation supplies n-Caproic Acid and over 150 other chemicals, including solvents, intermediates, emulsifying agents, plasticizers, coupling agents, and other products vital to industry.

n-Caproic Acid is a potential source of hexyl groups for the synthesis of varnish driers, resins, rubber chemicals, and certain medicinals. Its esters show promise in the manufacture of flavors, perfumes, and essential oils.

Thinners—
Compatibility with most lacquer resins, high blush resistance, good gloss, and even flow are obtained by using a thinner containing Butyl "Cellosolve."

Printing—
The deeper, clearer printing obtained on artificial leather is attributed not only to the solvent properties of "Cellosolve" (b.p. 135.1°C.), but also to its slipping or lubricating value. It has no solvent or swelling action on the rubber squeeze rolls.

Soluble Oils—
Butyl "Cellosolve" is soluble in both mineral oils and water, acting as a coupling agent to hold soap in solution in an oil. A more rapid dispersion of the resulting soluble oil in water is obtained and the emulsion stability is increased.

Lacquers—
Methyl "Cellosolve" (b.p. 125.0°C.) is used as a solvent in cellulose acetate lacquers and dopes and as a component of thinner mixtures. Its stability and lack of odor are of advantage in preparing special odorless lacquers, such as the type used in nail polishes.

Textiles—
Because it is a solvent for Indigosols, Rapidogens, and cellulose acetate dyes, "Cellosolve" solvent is used in dye pastes and with certain vat dyes to help prevent spotty dyeing or printing.

For information concerning the use of these solvents, address:

CARBIDE AND CARBON CHEMICALS CORPORATION
Unit of Union Carbide and Carbon Corporation
UCC
30 East 42nd Street, New York, N. Y.
PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

The words "Cellosolve" and "Vinylite" are registered trade-marks of Carbide and Carbon Chemicals Corporation.

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

Volume 137 | January 8, 1940 | Number 2

RECEIVED JAN 8 1940 LIBRARY

A.&P. Loses Appeal Under Patman Act

OPD Washington Bureau
January 3, 1940

The Supreme Court of the United States yesterday denied the Great Atlantic & Pacific Tea Company's petition for a writ of certiorari to review the judgment of the United States Circuit Court of Appeals for the Third Circuit affirming the Federal Trade Commission's order against the A. & P. company directing it to cease and desist from accepting allowances and discounts in lieu of brokerage in violation of section 2 (c) of the Robinson-Patman act. The commission's order prohibited the A & P company from purchasing commodities at so-called "net prices" which involved a price concession in lieu of brokerage, from accepting so-called "quantity discounts," and other types of discounts granted in lieu of brokerage, and from accepting discounts and payments of all kinds representing, in whole or in part, brokerage on its own purchases.

In affirming the commission's interpretation of the law, the circuit court held that the services rendered clause of section 2 (c) of the act, the broker-

—Continued on page 29

Mines Bureau Head Resigns at Request

OPD Washington Bureau
January 4, 1940

A possible shake-up in the Department of the Interior, particularly the Bureau of Mines, is foreseen in some quarters in the simultaneous appointment of Alvin J. Wirtz as Undersecretary of the Interior and the resignation of Dr. John Wellington Finch as director of the Bureau of Mines.

Reports current in the capital were that Dr. Finch differed on matters of policy with the Secretary of the Interior, Harold L. Ickes, and that his resignation would be followed by those of a number of other key men in the Bureau of Mines. It was reported in well-informed quarters that the secretary was displeased with the failure of the Bureau of Mines to give wholehearted support to the pending Cole bill, drafted in the department, for Federal regulation of petroleum production and oil conservation measures, and it was recalled that at the recent hearings on this measure before a subcommittee of the house committee on interstate and foreign commerce officials of the bureau confined their testimony strictly to technical questions and refrained from endorsing the policy of the bill.

It is also said that Secretary Ickes desires the resignation or transfer to

—Continued on page 42

Excise Tax Yield Expected to Increase

OPD Washington Bureau
January 4, 1940

Manufacturers' excise taxes are estimated in the budget submitted to Congress by President Roosevelt today to yield $471,900,000 during the fiscal year 1941, compared with an estimate of $433,710,000 during the current fiscal year and an actual yield of $396,891,003 during the fiscal year 1939.

The greatest yield is from the gasoline tax, which is estimated at $234,800,000 in 1941, $221,600,000 in 1940, and yielded $207,018,745 in 1939. The lubricating oils tax is estimated at $36,300,000 in 1941, $32,700,000 in 1940, and yielded $30,496,636 in 1939. The tax on toilet preparations and similar articles is estimated at $6,200,000 for both 1941 and 1940; this tax actually yielded $11,531,411 in 1939, but was modified by Congress in the revenue

—Continued on page 34

N. Y. Sales Tax Bill Introduced

Albany, January 3, 1940

Under the provisions of a bill introduced in both houses of the State legislature today, a tax of 3 percent would be imposed on gross retail receipts on sales and services. Certain raw meats, and food products are exempted from the provisions of the tax. The bill, introduced in both houses by Senator William Bewley and Assemblyman Maurice Whitney, would become effective July 1, 1941.

Sales Up in November

Domestic sales of manufacturers and wholesalers of chemicals, oils, and drugs and exports of these commodities as a whole in November were substantially larger than those in the same month of 1938, according to information compiled by the Department of Commerce. Comparisons for various groups and some single commodities follow:—

Sales

	Percentage comparison with Nov., 1938. Mfrs.	Wsrs.
Chemical products	+28.5	+21.0
Drugs, druggists' sundries	....	+ 1.3
Medicinal preparations	+23.1	....
Paints and varnishes	+11.1	— 1.0
Petroleum	+ 8.2	+ 8.9

Exports

Coaltar chemicals	+121.9
Gas and fuel oils	— 14.3
Industrial chemicals	+113.3
Lard	+ 44.5
Lubricating oil	+ 73.5
Medicinal preparations	+ 41.6
Motor fuels	— 12.2
Naval stores and resins	+ 28.3
Oilcake and meal	— 2.0
Paints and varnishes	+ 43.3
Petroleum, crude	— 13.3
Phosphate rock	— 55.5
Pigments	+ 57.0
Soaps and toiletries	+ 34.3
Sulphur, crude	+ 29.5

Retail Sales

(Independent Stores)

Drug stores	+ 5.0
Filling stations	— 1.1

Wholesale Inventories

	Compared at Nov. 30.
Drugs and druggists' sundries	— 1.8
Industrial chemicals	+ 13.5
Paints and varnishes	— 3.5
Petroleum	+ 5.8

Drug Act Label Warnings Supplied to F.D.A. Offices

OPD Washington Bureau
January 2, 1940

District and station chiefs of the Food and Drug Administration have been officially supplied with a memorandum listing a number of drugs with indications concerning the nature of warning statements under section 502 (f) of the food, drug, and cosmetic law, "which are not being subjected to adverse criticism for the present."

The list comprises more than thirty individual drugs and therapeutic groups; but in his letter of transmittal W. G. Campbell, chief of the administration, points out that the list is by no means complete. He emphasizes that the information given does not in any way "mitigate the responsibility of manufacturers and distributors to comply with the requirements of section 502 (f) (2) with respect to other drug preparations not included."

Mr. Campbell also tells the field chiefs that the presence of proper warning statements on the label of a drug does not relieve the preparation from compliance with section 502 (f) (1), 502 (j), and other sections of the act.

The warning statements currently acceptable to the administration, but which, Mr. Campbell says, may be modified or altered at any time as the facts may warrant, are as follows:—

Cathartics

Cathartic or laxative drugs (except castor oil and phenolphthalein) which act as irritants to the gastro-intestinal tract or stimulate intestinal peristalsis:—"Warning: Not to be used when abdominal pain (stomach-ache, cramps, colic), nausea, vomiting (stomach sickness) or other symptoms of appendicitis are present. Frequent or continued use of this preparation may result in dependence on laxatives."

Castor oil:—"Warning: Not to be used when abdominal pain (stomach-ache, cramps, colic), nausea, vomiting (stomach sickness) or other symptoms of appendicitis are present. Frequent or continued use of this preparation may result in dependence on laxatives. Do not use during pregnancy except on competent advise."

Phenolphthalein:—"Warning: Not to be used when abdominal pain (stomach-ache, cramps, colic), nausea, vomiting (stomach sickness) or other symptoms of appendicitis are present. Frequent or continued use of this preparation may result in dependence on laxatives. Important: If a skin rash appears, discontinue use."

Roughage:—Preparations containing so-called "roughage materials" and intended for use in constipation. Important: All varieties of constipation are not benefited by this preparation. It should be particularly avoided in cases such as spastic constipation in which abdominal discomfort or pain may be present."

Mineral oil:—Preparations containing mineral oil for oral administration—"Warning: Do not take directly before or after meals."

Sodium perborate:—Preparations containing sodium perborate as an active ingredient and intended for local use in the mouth and throat:—"Warning: This preparation may cause irritation and inflammation of the gums, tongue and mucous membrane of the mouth. It should be discontinued at the first sign of irritation or soreness. In case of doubt, consult your physician or dentist."

—Continued on page 50

Bromo Seltzer Case Settled by Consent

A consent decree for the condemnation and forfeiture of some 800 dozen packages of "Bromo Seltzer" was entered January 2 in the United States District Court for the Southern District of New York. The packages affected by the decree were those which had been seized at several times and places last year on charges by the Food and Drug Administration that the article, because of its content of acetanilide and a bromide, was dangerous to health under the dosage conditions stated on the label. Statutory costs of $52.27 were imposed.

The consent decree sets forth that the Emerson Drug Company, Baltimore, had changed the formula of

—Continued on page 31

Bromides Regarded by F.D.A. As Most Dangerous Drugs

OPD Washington Bureau
January 4, 1940

A campaign to remove from the market preparations containing bromide, the labels of which suggest doses that are larger than is considered proper, is under discussion by officials of the Food and Drug Administration.

Seizures have been made of several products containing bromides in combination with other drugs also considered dangerous under section 502 (j) of the food, drug, and cosmetic act. No seizures of products containing bromides alone have yet been made or are pending, but the situation is being carefully examined and seizures may be made where the dosage recommended is unrestricted.

Such action involves a new principle, in that the Food and Drug Administration is refusing to accept the dosage mentioned in the United States Pharmacopeia or the National Formulary as prima facie evidence of a dosage which is not dangerous to health. The pharmacopeia gives the average dose of bromide as 15 grains, and the assumption is that normally this dose would be given three times a day, but F.D.A. medical officers are of the opinion that in self-medication dosages totaling more than about 30 grains a day are dangerous. The theory is that the dosages suggested in the U.S.P. and N.F. monographs are simply for the guidance of prescribing physicians and are to be varied with the age, weight and condition of the patient, or with his reaction to the drug as observed by the attending physician. It is therefore felt that these average dosages cannot in all cases be recommended for drugs intended for self-medication and reliance on the U.S.P. or N.F. dosage statements is not necessarily a good legal defense under section 502(j).

A special study of bromides has been made by F.D.A. officials, and they have assembled what they consider to be the world's largest collection of literature and medical records on the subject. They feel that bromides are now the most dangerous group of drugs on the market for self-medication, but that the dangers of bromides are not generally recognized by many physicians because of the difficulties of diagnosing bromide poisoning or intoxication. Evidence recently accumulated, shows that bromides enter the nerve and other tissues, remaining for long periods.

Drug Law Seizures Limited by Charges

OPD Washington Bureau
January 4, 1940

The seizure provisions of the new food, drug, and cosmetic act prohibit multiple seizures of a product, in the opinion of officials of the Food and Drug Administration, when a previous judgment against the same product is on a different charge.

The question arose as the result of the seizure of many leading brands of toothpaste on the charge that the cartons were much too large for the size of the tubes enclosed, in violation of the slack-filled-package provision of the law, an offense classed as a misbranding. Unless and until the administration gets court judgments against these products, either by conviction or default, it is prevented by section 304 (a) of the act from making additional seizures on the same charge. While practically all manufacturers of the seized articles have signified their intention of revising their packages to

—Continued on page 52

Closing Markets

London Closing Cable

LONDON, Jan. 5, 1940

Quotations on sulphate of ammonia advanced to £7 17s 6d per ton for 20.6 percent material.

Strontium Carbonate Lower

The technical grade was offered at 22c. per pound, compared with 24c. previously. The market was strictly nominal.

Tetrachloride of Tin Lower

Anhydrous tetrachloride of tin declined ¼c. to 24c. per pound. Other tin derivatives were unchanged. Straits tin was nominal at 47½c. per pound.

Midcontinent Gasoline Reduced

Further weakness developed in the Midcontinent gasoline market where prices were slashed ½c. per gallon making the third such reduction within the past month. Present prices are at about a break-even point as related to crude costs.

Japanese Camphor Higher

Japanese natural camphor was higher, based on latest cables that would warrant local sellers naming the outside of the following quoted price range as minimum:—Powder, slabs, 85c. to 90c. per pound; tablets, 90c. to 95c. Offerings at the inside of the range were few and small.

Cottonseed Oil Steady

Refined cottonseed oil prices moved within small limits on Friday. May closed at 7.19c. and July 7.29c., or about where they stood on the previous Friday. Trading was quiet, sales for the day being only 30 contracts. Southern markets for cottonseed products were quiet and steady. Tallow was quiet at the decline noted on the previous day when 1,000,000 pounds were sold at 5½c. for extra.

Quinine Contract Given to Greeff & Co.

OPD Washington Bureau
January 4, 1940

The Treasury Department has awarded a contract to R. W. Greeff & Co., New York, as representative of the Netherlands government, for the purchase of 700,000 ounces of quinine sulphate as a part of the program of the War Department for purchasing reserve stocks of essential and critical materials.

Greeff & Co. was the low bidder, offering this quantity at a price of 57.8 cents per ounce. The government asked bids on quantities up to 800,000 ounces. Three other bids were received, but the total offered by all of them was only 301,000 ounces at prices ranging from 61 cents to 68 cents per ounce. The Greeff bid stated that the quinine would be the product of the Netherlands East Indies, but did not state where the quinine would be processed and packaged. Under the terms of the law the quinine must be held as a military reserve except that stocks may be rotated to prevent deterioration.

An increase of $5,000,000 in funds for the purchase and storage of strategic and critical materials essential to national defense is contemplated in the budget for the fiscal year 1941. The act passed last June directing such purchases authorized appropriation of $25,000,000 a year for four years. The appropriation for the 1940 fiscal year was $10,000,000, and the budget for 1941 includes an estimate of $15,000,000.

Sidford, Cavarly 50 Years With National Lead Co.

Henry G. Sidford, vice-president of the National Lead Company, this city, and Haywood P. Cavarly, assistant manager of the Atlantic branch of the company, were to be guests of honor at a golden jubilee dinner, marking their fiftieth year with the company, at the Hotel Biltmore, January 5.

Arrangement for the affair were handled by a committee appointed by the employees of the Atlantic branch, sponsors of the dinner. Scheduled to speak were F. W. Rockwell, president of the company, J. G. C. McNair, manager of the Atlantic branch and C. W. Gesregan, manager of the Atlantic metals division.

Chemical Price Trend Down

There was a preponderance of reductions among price changes last week in the markets for heavy and fine chemicals, chiefly in metal salts and paint pigments.

The general activity was spotty but showed a net increase. Consumers apparently were not inclined to increase their inventories. Export calls got a little more attention in some quarters.

Prices were advanced on copperas, copals, dammars, gum rosin, gum turpentine, natural camphor, and imported dried blood.

Prices were reduced on quicksilver, Straits tin, stannous chloride, tin crystals, tetrachloride of tin, zinc, zinc dust, needle antimony, antimoniate of soda, ordinary lithopone, titanium-calcium white, domestic fluorspar, domestic casein, elemi, domestic dried blood, and imported tankage and nitrogenous fertilizer stuff.

The REPORTER'S composite index number of prices for heavy and fine chemicals was not appreciably changed from 128.0 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 90.6, compared with 88.9 at this time last year and 89.9 in 1938.

Contents of This Issue

News and Statistics

Antiseptic Solution Monograph Revised 49
A.&P. Loses Patman Appeal..... 3
Bromo-Seltzer Case Settled..... 3
Bromides Termed Most Dangerous Drugs 3
British Dyemakers Elect..... 34
Bonnie Heads Color Makers..... 35
Chemical Imports at N.Y. Analyzed 5
Crude Oil Output Down..... 56
DuPont Provides Chemistry Fellowships 5
Drug Law Activities Reviewed by Wallace 5
Drug Act Enforcement Reported.... 5
Drug Law Seizures Limited by Charges 3
Drug Labels Studied in This City.. 4
Drug Label Warnings Given F.D.A. Offices 3
Exporters to Discuss Credit..... 49
Excise Tax Yield Rise Expected..... 3
F.D.A. Budget Increased..... 5
Glidden Outlook Good Says Joyce.. 35
Insecticide Packages Recommended 5
Jones Named Cities Service Co. President 56
Muck Heads Forests Industry Conference 5
Mines Bureau Head Resigns..... 3
Merkin Co. Salesmen Meet..... 42
N.Y. 'Loss Leader' Bill Introduced.. 5
N.A.I.D.M. Reports Change in Insecticide Year..... 31
N.Y. Sales Tax Bill Introduced..... 3
N.W.D.A. Suggests Label Forms..... 4
N. Y. Production Club to Meet..... 56
National Oil Promotes Two..... 35
N. E. Paint Lecture Course Planned. 35
Phila. Drug Exchange to Dine..... 49
Pioneer Potash Elects Hollesen..... 5
Powers Heads N.F. Revision..... 5
Pratt & Lambert Advances Two..... 40
Pickling Agent Offered by Enthone. 34
Phelps Dodge Adds to Texas Refinery 33
Paint, Varnish and Lacquer Sales... 35
Quinine Contract Given to Greef & Co. 4
Sidford, Cavarly 50 Years With National Lead..... 4
Small Manufacturers Federation Formed 59
Sales Up in November..... 3
Southern Pest Conference Date Set.. 50
So. States Cooperative Reports Large Savings 57
Sun Oil to Spend 14 Million..... 56
Tung Oil Arrivals Increase..... 4
Tariff Board Lists Raw Materials Data 5
Tariff Board Surveys Starches..... 5
Tankcar Lease Rates Come Under I.C.C. 4
Textile Fabrics Described in *Dyestuffs* 31

General Features

Advertisers' Index..... 61
Bids Wanted..... —
Chemical Price Trends..... 4
Classified Advertisements..... 60
Closing Market Developments.... 4
Contracts Awarded..... —
Corporation Earnings..... —
Dividends Declared..... —
Editorials 26
Foreign Trade Openings..... 60
Foreign Trade Rules..... —
Industrial Uses of Chemicals.... 36
Obituaries 42
Petroleum Market Status..... 55
Petroleum Production..... 55
Prices Current..... 6
Scientific, Professional Services.. 49
Trade News Briefs..... 60
What You Can Use..... 56
Where You Can Sell..... 36

Market Reports

Botanical Drugs, Spices, Gums... 51
Coaltar Chemicals..... 32
Drugs and Fine Chemicals..... 47
Dyestuffs, Textile and Leather Chemicals 31
Essential Oils and Aromatics.... 53
Fertilizer Materials..... 57
Heavy Chemicals..... 28
Oils, Fats and Waxes..... 43
Paint, Varnish and Lacquer Materials 37
Petroleum Solvents, Lubricants, and Fuels..... 55

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 59
Exports 59
Imports 58
Imports Detained..... 59

Oil, Paint and Drug Reporter, Volume 137, No. 2, January 8, 1940. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York, U. S. A. Annual subscription prices:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

Tung Oil Arrivals Increased Last Week

The expected third cargo of American-owned chinawood oil from the supplies in China released by the Japanese government reached this city January 8 on the "Taketoyo Maru." The oil was laden at Woosung, China, and the cargo was 4,200,000 pounds.

During the week there arrived here also 874,000 pounds of chinawood oil on the "Neil Maersk" from Hong Kong and 407,400 pounds on the "Titania" from Hong Kong.

Arrivals at Los Angeles since last week's report totaled 649,600 pounds.

Tankcar Lease Rates Come Under I.C.C.

OPD Washington Bureau
January 2, 1940

The Interstate Commerce Commission, rather than the Federal courts, has jurisdiction to determine the lawfulness and reasonableness of charges for leasing private tankcars for shipment of goods by railroad, the Supreme Court of the United States decided today in a controversy between the General American Tank Car Corporation and El Dorado Oil Works, a coconut oil processing company, Berkeley, Cal., and its wholly owned subsidiary, the El Dorado Terminal Company.

The supreme court ordered the case remanded to the district court, but specified that it should be held open until the Interstate Commerce Commission passes on the practices involved, after which the court may decide the question of claims between the two parties.

El Dorado Oil Works leases from the General American corporation specially designed cars for the transportation of coconut oil. The contract calls for a monthly rental for each car, but also provides that the tankcar company is to collect from the

—Continued on page 56

N.W.D.A. Suggests Drug Label Forms

Specimen labels for some 200 drugs and chemicals regarded to meet current official views on enforcement of the food, drug, and cosmetic act have been prepared by the National Wholesale Druggists Association and sent to its active members. These labels are intended to meet the needs of wholesalers in making shipments which come under the Federal law and in the intrastate sale of articles subject to State laws harmonious with the Federal law.

In explanation of this label service for wholesalers Dr. E. L. Newcomb, executive vice-president of the association, has written to the members as follows:—

We have had the pleasure of informally reviewing the text of certain labels with officials of the Food and Drug Ad-

—Continued on page 57

Drug Labels Study Made in This City

Representatives from the New York City department of markets have been visiting retail drug establishments and manufacturers of pharmaceutical and cosmetic preparations during the past several months to explain and familiarize them with the provisions of the Federal and State laws. Especial emphasis has been drawn to the necessity for the content declaration and other labeling requirements of the acts, such as the statement of ingredients and warnings on certain types of products, and the legibility of labels generally.

The agents surveying the shops also are advising that incorrectly labeled stocks now on hand be disposed of. A reasonable time will be given for such disposal, it is said, before prosecutions will be made. The purpose of the action, it was stated, is to bring those products which are in intrastate commerce in line with the State law, as the items entering interstate trade are being made to conform with the regulations of the Federal statute.

F.D.A. Budget Bigger for 1941

OPD Washington Bureau
January 4, 1940

The budget for the Food and Drug Administration for the fiscal year 1941 is $218.520 greater than the appropriations for the current fiscal year, although the total budget for the Department of Agriculture is $389,361,457 less than current appropriations.

The budget submitted to Congress by President Roosevelt today carries an estimate for the Food and Drug Administration of $2,959,658, compared with actual appropriations of $2,741,138 for the current, or 1940, fiscal year. These figures are broken down as follows:—

	Estimated for 1941.	Appropriated for 1940.
General administrative expenses	$101,402	$100,802
Enforcement of food, drug and cosmetic act	2,503,980	2,288,380
Tea importation act	30,214	30,094
Naval stores act	34,800	34,700
Insecticide act	194,020	193,180
Milk importation act	19,241	19,241
Caustic poison act	24,741	24,741
Filled milk act	10,000	10,000
Seafood inspectors' act	41,260	40,000

The 1941 estimate for enforcement of the food, drug, and cosmetic act excludes $33,800 appropriated under that title for 1941, which was transferred to the estimate for the Office of the Solicitor of the Department of Agriculture and included in the estimate for that office for 1941.

Drug Law Activities Reviewed by Wallace

OPD Washington Bureau
January 2, 1940

The last two pages of his 170-page annual report are used by Secretary of Agriculture Henry A. Wallace to discuss the work of the Food and Drug Administration. The bulk of the report deals with farm problems, and this theme also runs through the brief section on F.D.A. activities, as it is stated that markets for farm products are increased by assurance that food is not adulterated.

This section of the report follows:—

The new food, drug, and cosmetic act affects the national standard of living in both town and country. The farmer, however, receives a twofold benefit from the enforcement of this statute. As a consumer he shares with the city dweller the protection afforded by the law against contamination, debasement, and misrepresentation. As a producer he has assurance that the products of his industry which must be processed before they are consumed will reach the consumer in an unadulterated and acceptable form.

Food products that reach the market in the raw state are seldom subject to

—*Continued on page* 34

Drug Act Enforcement Report Filed by D.of J.

OPD Washington Bureau
January 3, 1940

Activities of the Department of Justice in bringing suits to enforce the food and drug and related acts during the fiscal year 1939 are discussed in the annual report of O. John Rogge, Assistant Attorney General in charge of the criminal division of the Department of Justice, released today. Excerpts are:—

During the year the Department of Agriculture reported 2,750 cases, of which 209 were criminal and 2,541 civil. On July 1, 1938, 551 cases were pending, of which 173 were criminal and 378 civil. There were terminated during the year 243 criminal cases and 2,631 civil cases. On June 30, 1939, 427 cases were pending, of which 139 were criminal and 288 civil. The 243 criminal cases disposed of were terminated as follows:—pleas of guilty in 157; pleas of nolo contendere in fifty-two; twenty-four were nol prossed; in one case the defendant was acquitted; while verdicts of guilty were returned in nine cases. The fines imposed in the criminal cases totaled $56,209.05. The 2,631 civil cases were disposed of as follows:—The courts decreed destruction of the goods in 1,965 cases; in 528 cases consent decrees were entered and the goods released under bond for reconditioning; in three cases judgment was entered for the claimant; 135 cases were dismissed (chiefly because no seizure of the goods had been effected).

—*Continued on page* 34

Insecticide, Fungicide Packages Recommended

The standing committee of the National Bureau of Standards which has charge of the simplified practice recommendation (R41-38) on package sizes for insecticides and fungicides has approved a second revision of the recommendation to include standard-size packages for nicotine sulphate, also a one-pound bag for lead arsenate, calcium arsenate, and bordeaux mixture, and the bureau's division of simplified practice has submitted the proposed revision to the industry for approval.

This recommendation, which originally became effective May 1, 1926, established a simplified schedule of standard package sizes for certain agricultural insecticides and fungicides. The first revision, effective June 15, 1938, amplified the original recommendation to include standard package sizes for basic lead arsenate. The revision now proposed includes not only a list of recommended standard types and sizes of packages but also the number of packages in a shipping case and the territory for which each package is considered standard.

Mimeographed copies of the proposed revision may be obtained from the Division of Simplified Practice, National Bureau of Standards, Washington.

Tariff Board Surveys Starches and Glues

OPD Washington Bureau
January 2, 1940

The annual report of the United States Tariff Commission, released today, reveals that commodity surveys on starches and dextrins and on glue, gelatin, and related products have been completed and are now in process of printing.

Much of the report deals with the obstacles to foreign trade arising from war conditions, during recent years, preparations for war in various countries, and national control of imports and exports, and deals at considerable length with the work of the commission in promoting the reciprocal trade agreements program of the administration.

Tariff Board Lists Raw Materials Data

The United States Tariff Commission has compiled and issued a guide to available literature on more than 200 raw materials and related subjects. This is designed because of the increasing interest in materials commonly designated as strategic, essential, or critical, and the increasing difficulties in carrying on world trade.

The Raw Materials Bibliography, an 85-page, annotated and indexed compilation on the subject, is available at the United States Tariff Commission, Washington, for free distribution to those who request it.

Pioneer Potash Elects H.H. Hollesen President

The N. V. Potash My., this city, importers of German and French potash, was officially dissolved last week. The end of the company was foreshadowed by the outbreak of the European war and two distinct companies, the French Potash Company and the Pioneer Potash Company, were formed.

Harry H. Hollesen, formerly director of the N. V. company, last week became president and treasurer of the Pioneer Potash Company, replacing Richard Meyer, president of the Gans S.S. Line, who temporarily acted in that capacity. The Pioneer company has also named Arthur Mehl and H. W. Schmitz as vice-presidents located in New York; Werner Duehrssen vice-president in charge of the Norfolk, Va., branch office; Roland A. Payne in charge of the New England territory with headquarters in Hamden, Conn.; and Kurt Duehrssen in charge of the Middle Atlantic territory with headquarters in Baltimore.

An agricultural and scientific office will be maintained at San Juan, Puerto Rico, under the direction of Otto Hach and another at Havana, under the direction of C. E. Beauchamp.

Chemical Imports at N.Y. Analyzed by Tariff Board

A statistical analysis of certain classes of chemicals under paragraph 5, imported through the New York customs district during 1938, has been made by the Tariff Commission, with the cooperation of the Works Progress Administration. Paragraph 5 of the tariff act of 1930 provides for the duty on all chemical elements, salts, compounds, and medicinal preparations, not specially provided for in other paragraphs. The official import statistics of this paragraph are divided in thirty-four classes, of which all except twelve are specifically named or closely related commodities. The analysis deals with the twelve general classifications, which are as follows:

Salts of fatty acids derived from vegetable oils, not elsewhere specified; fatty alcohols and fatty acids sulphated, not elsewhere specified, and salts of fatty acids sulphated, not elsewhere specified; all alkaloids, salts and derivatives, not elsewhere specified; medicinal substances of vegetable origin (chrysarobin, papain, digitalin, lecithin, and other active principles except alkaloids); medicinal substances of animal origin (oxgall, bile compounds, gland extracts, etc.); medicinal and pharmaceutical preparations, not specially provided for, not containing alcohol; ammonium compounds, not elsewhere specified; barium compounds, not elsewhere specified; magnesium salts and compounds, not specially provided for; all potash salts, not specially provided for; sodium compounds, not specially provided for; chemical elements, compounds, mixtures and salts, not specially provided for; not containing alcohol.

The total value of imports during 1938 under the above classifications was $1,741,000, of which $1,306,000 was entered through the port of New York. The value of the imports analyzed was $993,000, or 76 percent of the imports in these classes through the New York customs district. The total value of these tabulated items amounted to $836,400, which is 84 percent of the total entries analyzed.

The table also show the principal countries from which each of the items originated. As in former years, Germany was the principal source, supplying slightly less than one-half by value of the total imports in these classes. Switzerland was the second most important source, the Netherlands third, and the United Kingdom fourth. The most important commodities entered were the medicinal products, urine concentrate and crude vitamin C, imports of which were valued at $136,000 and $64,000, respectively, in 1938.

All imports of the twelve basket classifications of paragraph 5, which were analyzed, were dutiable at 25 percent ad valorem during 1938. The duty on imports of sodium alginate, which is included in the analysis, was reduced from 25 to 20 percent ad valorem in the trade agreement with the United Kingdom, effective January 1, 1939. Imports of sodium alignate were 3,696 pounds valued at $2,175 in 1938.

—*Continued on page 33*

J.L. Powers Heads N.F. Revision

Dr. Justin L. Powers, Ann Arbor, Mich., has been elected by the council of the American Pharmaceutical Association as chairman of the committee on National Formulary and director of the A.Ph. A. laboratory. He succeeds Dr. E. N. Gathercoal, Chicago, who has been chairman of the N. F. committee since 1929 and director of the laboratory since it was established in 1935, and who requested

Dr. Justin L. Powers

to be relieved when the other members of the N. F. committee were elected last August. Dr. Gathercoal will continue in an advisory capacity until after the A.Ph.A. meeting in Richmond, in May.

Dr. Powers will give his full time to the position and will have his headquarters in the American Institute of Pharmacy, Washington, after March 1. He was born in Hekonsha, Mich., March 12, 1895, and he went from Hillsdale College, in 1915 to the College of Pharmacy, University of Michigan, and continued his studies there until October, 1917, when he joined the United States Army as a sergeant in the medical department. In September, 1918, he was admitted

—*Continued on page* 56

DuPont Co. to Provide Chemistry Fellowships

E. I. du Pont de Nemours & Co., Wilmington, will award six post-doctorate fellowships for research in organic chemistry and twenty-post-graduate fellowships for research in the field of chemistry for the academic year 1940-41. An increase of two post-graduate awards is provided this year and the fellowships are for $750 each. The post-doctorate fellowships are for $2,000 each.

The awards are not restricted to subjects connected with the company's products but may be undertaken in any line deemed appropriate by the university selecting the recipients. Twenty institutions will receive the awards.

Muck Heads Forests Industry Conference

OPD Washington Bureau
January 4, 1940

Lee Muck, director of forests of the Department of the Interior, has been elected chairman of the Forests Industry Conference, an organization made up of representatives of several government agencies and of private industry.

The conference, established last Summer, has for its basic purpose the correlated assistance in the sound economic development of forest products industries through the elimination of duplication on the part of government agencies concerned with forestry and its related industries, and in affording the industries an opportunity to present their viewpoints on the development of forestry through the activities of the government agencies.

N.Y. 'Loss Leader' Bill Submitted by G.B. Parsons

Albany, Jan. 4, 1940

Under the provisions of Assembly Intro No. 2, by George B. Parsons, Republican, of Syracuse, and referred to judiciary committee, a new article 11-a is added to the general business law enacting an "unfair sales law," to prevent unfair and deceptive merchandising practices in wholesale and retail trades by prohibiting the advertising or sale of merchandise at less than cost with intent of unfairly diverting trade from or injuring competitors; excepts bona fide clearance sales, perishable commodities, damaged or discontinued goods, liquidation sales, sales for relief, government contracts, sales in good faith to meet competition and sales under order or direction of court.

Current Market Quotations

January 5, 1940

All matter under this heading fully protected by copyright

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

Acacia—Alcohol

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs., a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07¼- —
l.c.l., dms., dlvd.....lb. .07¾- —
tanks, dlvd.....lb. .05¾- —
Methyl (see M).
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Texas E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C. Md., Massa., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.75 - 3.00
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, dlvd., ton.106.00 - —
c.l., dlvd.....ton.111.00 - —
l.c.l., ex whse.....ton.113.00 -123.00
sks., contracts, 80 tons, dlvd..ton.96.00 - —
c.l., dlvd.....ton.101.00 - —
l.c.l., ex whse.....ton.108.00 -113.00
powd., bbls., contracts, 80 tons, dlvd..ton.111.00 - —
c.l., dlvd.....ton.116.00 - —
l.c.l., dlvd.....ton.123.00 -138.00
sks., contracts, 80 tons, dlvd..ton.101.00 - —

Acid, boric, tech., 99.5%, powd., sks., c.l., dlvd..ton.106.00 - —
l.c.l., ex whse.....ton.113.00 -128.00
USP, $25 per ton higher.
99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caporic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .15¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .15¾- —
dms., smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10¾- .11¼
Corn, dist., dms.....lb. .10 - .10¾
Cottonseed oil, dist., dms....lb. .09½- .10
tanks.....lb. .09 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis.....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equid..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis.....gal. .73 - —
imported, pale, dms...gal. .70 - .75
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S...gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., f.o.b. works, c.l..lb. .10½- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls.....lb. .75 - —
Gallic, tech., bbls.....lb. .70 Nom.
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 Nom.
single bbls.....lb. .80 Nom.
fib. dms., 25 lbs.....lb. .81 Nom.
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
lead cbys.....lb. .08 - .08½
48%, lead cbys.....lb. .10½- .11
52%, lead cbys.....lb. .11½- .12
60%, lead cbys.....lb. .14 - .14½
Hydrofluosilic, 30-35%, 420 lb. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works...100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade.....lb. .12¼- .13½
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43

Acid, lauric, dist., tech., dms..lb. .14 - .14½
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark, dms.....lb. .13 - .13½
light, dms.....lb. .14 - .14½
extra white, dist., dms...lb. .14½- .15
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .23 - —
dms., l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 1.90 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085-.009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls... lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
cryst., gran., bbls., car lots.lb. .21 - —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .18¼- .18¾
Naphthenic, dom., acidity, 160, dms., c.l., works..lb. .11 Nom.
l.c.l., dms., works.....lb. .11½ Nom.
tanks, works.....lb. .10½ Nom.
200-220, dms., c.l., works..lb. .09½ Nom.
l.c.l., dms., works.....lb. .10 Nom.
tanks, works.....lb. .09 Nom.
240, dms., c.l., works.....lb. .14 Nom.
l.c.l., dms., works.....lb. .14½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works...100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works....100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works....100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works....100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .07½- .08
tanks.....lb. .07 - —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1,710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1,347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 Nom.
cns.....lb. 1.10 Nom.
USP, cryst., cns.....lb. 1.45 Nom.
resubl., cns.....lb. 2.05 Nom.
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works....lb. .27 - —
l.c.l., dms., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works..lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, distl., double pressed, bgs., dlvd..lb. .12 - .13
single pressed, bgs., dlvd.lb. .11½- .12½
triple pressed, bgs., dlvd..lb. .14¾- .15¾
saponif., double pressed, bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .15½- .16½
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10

Acid, sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9 works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. Works..... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .40 Nom.
USP, fluffy, bbls., 1,000-lb. lots..lb. .88 Nom.
100-lb. lots.....lb. .90 Nom.
25-lb. lots.....lb. .93 Nom.
powd., bbls., 1,000 lbs.....lb. .78 Nom.
smaller lots.....lb. .80 Nom.
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment, lb. .31¼- —
smaller quantities.....lb. .31¾- —
kgs.....lb. .32¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungsten, CP, kgs., wks....lb. No prices
Chem. grade, kgs., wks....lb. No prices
Aconite, leaves, bls.....lb. .28 - .40
Root, bls.....lb. .45 - .52
Aconitine, amorph., bots.....oz.23.00 - —
vls.....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls.....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar 1, bls.....lb. 1.50 Nom.
3, bls.....lb. No prices
Agaric, white, bls.....lb. No prices
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .62 - .64
dom., powd., dms., bbls., lb. .67 - .69
import, cs.....lb. .65 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt.alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
Benzyl, cns.....lb. .68 - —
drums.....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per gal. less.
Secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11½- —
Capryl, pure, dms.. works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .53 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI, 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works...gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works....gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD-2B., dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E., works.....gal. .20½- —
SD23-G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

Alcohol, special solvent, dms., c.l., E. works..gal. .29½- —
20 dms., E. works..gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l.,dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.55 - —
19 bbls.....gal. 4.58½- —
1 to 18 bbls.....gal. 4.61½- —
dms., c.l.....gal. 4.54 - —
19 dms.....gal. 4.57½- —
1 to 18 dms.....gal. 4.60½- —
tanks.....gal. 4.48 - —
absolute, dms., c.l.....gal. 4.81½- —
19 dms.....gal. 4.85 - —
1 to 18 dms.....gal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b., dest..gal. .65 - —
55 gal., c.l., same basis.gal. .33½- —
l.c.l., same basis....gal. .38½- —
tanks, frt., alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis....gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.50 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y., lb. .44 - —
450 lb. lots, same basis....lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .22 - .23
Aloe, Cape, cs.....lb. .22 - .24
Curacao, cs.....lb. .55 - .60
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .45 - .50
peeled, bls.....lb. .47 - .49
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N. Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N. Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼ Nom.
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20%, normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
52%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd...lb. .40 - —
smaller containers, dlvd., lb. .50 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order .....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .19½- —
less than ton.....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
Alumina, sulphate, coml., bbls., c.l., works, frt. equald, 100 lbs. 1.35 - —
l.c.l., works, frt. equaled 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.45 - —
l.c.l., works.....100 lbs. 1.70 - —
bbls., c.l., works...100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 1.90 - —
Aluminum 98-99%, c.l.....lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .63 - —
ink, dms., 1,500 lbs.....lb. .73 - —
standard, dms., 1,500 lbs..lb. .40 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .42 - —
rubber compound, dms., 1,500 lbs..lb. .40 - —
unpolished, dms., 1,500 lbs. lb. .37 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs..lb. .40 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works.lb. .04½- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 20°, cbys.....lb. .05¼- —
dms., c.l. .....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
Powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .16 - .18
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos- bulk, f.o.b. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .12½ Nom.
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton. 28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 45%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works...100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks. .....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19
ex pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Amyl, butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works, lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots., 25 dms., l.c.l., works..lb. .26 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anaethol, bots. .....lb. 1.05 - 1.15
Angelica root, dom., bls.....lb. .23 - .24
import, natural, bls.....lb. .60 - .70
twisted bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Mexican, bgs.....lb. .14 - .14½
Spanish, bgs.....lb. .28 - .29
Star, bgs.....lb. .16 - .16½
Anisic aldehyde, bots.....lb. 2.65 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. No price
l.c.l. .....lb. No price
Salt, 65%, kgs.....lb. .42 Nom.
White pigment, bgs., f.o.b. Laredo, Tex..lb. .15½ Nom.
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 6.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .38 - .40
Rcot, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs. .....lb. .60 - .65
powd., bbls., bxs.....lb. .80 - .85
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M. bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Manjab No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots, f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y., ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points., ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 51.00 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 7.00 - —
Sulphate, bots.....oz. 4.00 - 4.25

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.25 - 3.35
Barium carbonate, natural, 90-96%, grd., bgs., c.l., works, ton. 45.00 -47.00
90% thru 200 mesh, bgs., c.l., works..ton. 47.00 -49.00
precip., bgs., c.l., works..ton. 52.50 - —
Chicago .....ton. 55.00 - —
l.c.l., works.....ton. 57.50 - —
Chicago .....ton. 60.00 - —
bbls., c.l., works.ton. 57.50 - —
Chicago .....ton. 60.00 - —
l.c.l., works.....ton. 62.50 - —
Chicago .....ton. 65.00 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —

Alcohol—Bismuth

Barium, chlorate, kgs.....lb. .20 Nom.
Chloride, CP., cryst., bbls...lb. .25 - —
kgs. .....lb. .27 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis, ton. 90.00 - —
bbls., same basis...ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis....ton. 94.00 - —
bbls., same basis...ton. 96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis..ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .14 - .15
Fluorsilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06½ Nom.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .10½ Nom.
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis..ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York.....ton. 33.50 - —
southern off color, bulk, mines, ton. 12.00 - —
93.75%, bulk, mines....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices.
l.c.l., ex whse.....ton. No prices.
ungrd., bulk, c.l., ex dock.ton. No prices.
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse. .....ton. 32.50 Nom.
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .24 - .30
Root, bls.....lb. .40 - .55
Bentonite, 200 mesh, bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .55 - .60
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
export .....gal. .17 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .11 - .12
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cans. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 62-66%, bxs...lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.01 - —
fib. dms .....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —

Bismuth-Ammonia—Borax

Bismuth-ammonia, citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.20 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .13 - —
l.c.l., frt. alld., E.....lb. .13½- —
2, bbls., bgs., c.l., frt. alld., E..lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7 bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E. lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —

Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Black, carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .0255- —
f.o.b. North Atlantic ports, lb. .03425- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02423- —
f.o.b. North Atlantic ports, lb. .0330- —
l.c.l., beads or uncompressed, bgs., f.o.b. whse..lb. .05¾- —
dlvd..lb. .06¼- —
cartons, f.o.b. whse. or dlvd. lb. .06¼- —
cases, f.o.b. whse. or dlvd. lb. .07 - —
bulk, cars, c.l., f.o.b. plants. lb. .0230- —
f.o.b. New York harbor..lb. .0318- —
Special, 2, bgs., c.l., works, lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
bgs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .29 - —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works...lb. .40 - —
cs., c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., cs., dlvd., rail zone A (Gulf ports), for delivery in Nor. Amer. (water freights extra) .....lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
Black, carbon, standard, cs., dlvd., rail, Zone B, 50,000 lbs., dlvd., Zone C (Pac. Cst. States).....lb. .0619- —
30,000 lbs., dlvd., Zone C, (Pac. Cst. States)..lb. .0335- —
D (Ill., Ia., Wis.)...lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico), f.o.b. border..lb. .03 - —
f.o.b. N. Orleans.lb. .0290- —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs. or ctns. (seller's option), l.c.l., dlvd..lb. .06¼- —
cs., l.c.l., dlvd.....lb. .07 - —
export, full compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s., Gulf ports..lb. .05¼ Nom.
Black, carbon, standard, bulk, tanks, same price as bags in each zone.

Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08⅝- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamps, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
Black, lamp, dom., 1, ctns., c.l., 3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls, c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
vine, A, bbls, works or N. Y.. lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —

Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .24 - .25
Tree bark, bls.....lb. .14 - .15
Black Indian hemp root, bls...lb. .18 - .20
Blanc fixe, dry, by-product, bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.55.00 - —
direct process, bgs., c.l., works, frt. equal.ton.57.00 - —
l.c.l., same basis....ton.65.00 - —
pulp 66⅔%, bbls., c.l., works, ton.32.00 - —
l.c.l., works.....ton.39.00 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.35
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.90 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 3.90 - 3.95
import, bgs., c.i.f. ports, shipt., unit-ton. 3.45 - —
soluble (see Albumen, blood)
Bloodroot, bls. .....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, alkali toner contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .27
jobbing grades, bbls., same basis..lb. 11 - —
regular grades, bbls., same basis..lb. .16 - .27

Blue, ultramarine, blue, dlvd., ex whse., 1c lc. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefiag root, bls. .....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.47 - —
powd., cns.....lb. 1.49 - —
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b., works...100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis..... 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealer, f.o.b. works..100 lbs. 9.35 - 9.60
l.c.l., dealer.....100 lbs.10.35 -10.60
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -35.00
import, bgs., c.i.f. ports.ton.30.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.31.00 -32.00
import, 100-lbs., bgs., c.i.f., ports, shipt..ton.32.00 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos. bgs., f.o.b., Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports.ton. No prices.
Boneset leaves, bales.....lb. .08 - .09
Borage flowers, bales.....lb. .20 - .25
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.53.00 - —
l.c.l., ex whse.....ton.64.00 -69.00
sks., contracts, 80 tons min., dlvd..ton.43.00 - —
l.c.l., ex whse.....ton.54.00 -59.00
powd., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.69.00 -74.00
sks., contracts, 80 tons min. dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.59.00 -64.00

USP, $15 per ton higher.

MoO_3

The two lowest cost raw materials for the production of all Molybdenum compounds, including Molybdated pigment colors, are:

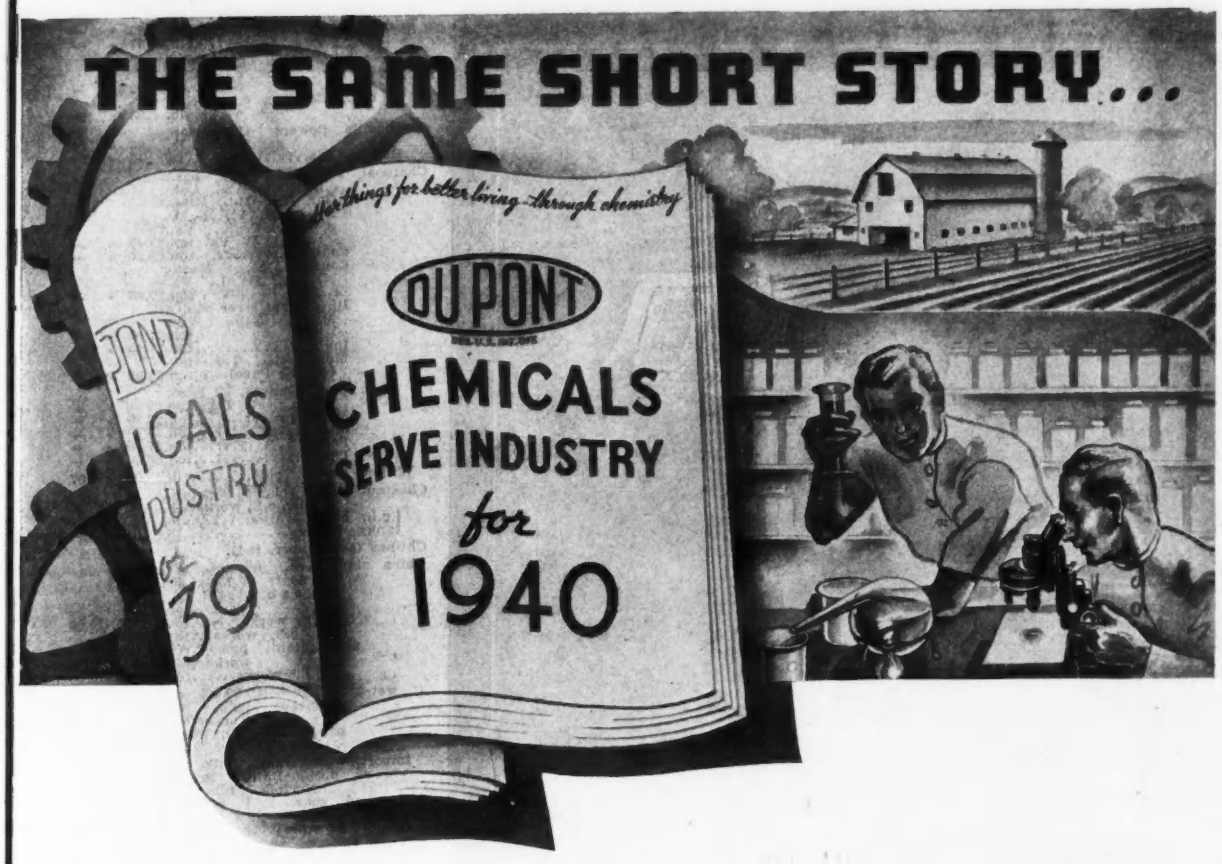
PURE MOLYBDENUM TRIOXIDE
AND TECHNICAL MOLYBDENUM TRIOXIDE

Our development department will gladly take up with you any problems involving the application of Molybdenum

Climax Mo-lyb-den-um Company
500 Fifth Avenue · New York City

MOLY

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .14 - .15
Brown, iron oxide, pure precip., cks., f.o.b. N.Y.....lb. .11¼- —
Metallic, iron oxide, bbls., works. lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Brown, Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis..lb. .11¼- —
3, bbls., same basis...lb. .10½- —
Brown, Sienna, burnt, Italian, group 4, bbls., same basis..lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08½- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis..lb. .07½- —
11, bbls., same basis..lb. .07 - —
12, bbls., same basis..lb. .06½- —
13, bbls., same basis....lb. .06¼- —
14, bbls., same basis..lb. .06¼- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
Group 2, bbls., same basis, lb. .11½- —
3, bbls., same basis...lb. .11¼- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis..lb. .06¼- —
11, bbls., same basis..lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y.....lb. .04½- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans.....lb. .05 - —
Brown, Umber, Turkey, bbls., l.c.l., ex whse., Kansas City..lb. .05½- —
Los Angeles, Portland, San Francisco, Seattle .....lb. .04¾- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices.
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, true, bls.....lb. .12 - .15
cut and sifted, bbls.....lb. .16 - .18
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .14 - .15
Burgundy pitch, dom., dms...lb. .05½- .06
Butane, comil., 16-34°, tanks, group 3..gal. .02½- .03
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .14¼- .16½
c.l., frt. alld. .....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld....lb. .09½- —
contract prices 1c. per gal., less
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —



ANOTHER page is torn from the calendar to find the wheels of industry moving fast with heavy demands for processing materials.

A century ago the founder of The Grasselli Chemical Company started the first Sulfuric Acid Plant west of the Alleghenies. Pioneering in heavy chemicals and developing new markets GRASSELLI grew with the expansion of urban and rural America serving industry through booms and depressions.

Today, under the house flag of Du Pont the Grasselli Chemicals Department continues to better serve Industry with essential processing materials creating new products and new uses.

For your chemical requirements — call Du Pont. Offices and warehouses located throughout the country are ready to give you — Du Pont Service.

ACIDS · HEAVY CHEMICALS · METAL & ORE · AGRICULTURAL CHEMICALS · SPECIALTIES

"Cavalcade of America" returns to the air over N.B.C.
9 to 9:30 P.M. E.S.T. Tuesday, January 2, 1940

DU PONT
E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
GRASSELLI CHEMICALS DEPARTMENT
WILMINGTON, DELAWARE
Atlanta • Birmingham • Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit • Los Angeles • Milwaukee
New Haven • New Orleans • New York • Philadelphia • Pittsburgh • Rensselaer • San Francisco • St. Louis • St. Paul
Represented in Canada by CANADIAN INDUSTRIES, LTD., General Chemicals Division, Montreal and Toronto

Butyl, crotonate, normal, 55 gal. dms., dlvd..lb. .35 - —
5 gal. cns.....lb. .75 - —
1 gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms. .....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal pat. shapes cs.....lb. .80 - —
ingots, or sticks.....lb. .75 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-in. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.90 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .20 - .22
bleached, bls.....lb. .60 - .65
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l., dealers, E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06½- .06¾
Southern cotton states, bgs., dms..lb. .06½- .06¾
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., dlvd.....lb. 4.75 - —
l.c.l., f.o.b. warehouse....lb. 4.85 - —
Carbonate (see Chalk and Whiting)
Chloride, flake, dom., 77-80%, bgs., dms., c.l., dlvd..ton. 22.00 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton. 20.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 125-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .66 - .85
Glycerophosphate, fb., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, for shipment during Dec.-Jan.-Feb..ton. 28.50 - —
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt...unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., cns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton. 46.00 - —
80%, CaS., bgs., c.l., wks. ton. 51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs., lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .39 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.45 - —
Camphor, natural, powd., cs..lb. .85 - .90
slabs, cs.....lb. .85 - .90
tablets, tins.....lb. .90 - .95
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .35 - —
smaller lots, works....lb. .40 - —
USP, or impt., gran. powd., bbls., 2,000-lb. lots..lb. .55 - —
1,000-lb. lots.....lb. .56 - —
smaller lots.....lb. .57 - —
tablets, 2,000-lb. lots.....lb. .63 - —
1,000-lb. lots.....lb. .69 - —
smaller lots.....lb. .70 - —
Monobromate, bxs., kgs.....lb. 1.90 - 1.95
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs...lb. .04 - .04½
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .04 - .04½
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. .90 - .95
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.75 - 2.80
powd., bxs.....lb. 2.85 - 2.90
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .14 - .14½
Russian, bgs.....lb. .13½- .14
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
90%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —

Carbinol, Dimeth.—Cinchona

Carbinol dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works .....lb. .34 - —
tanks, works .....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .06
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld. gal. .66¼- —
l.c.l., frt. alld.....gal. .72 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —

Carbon, tetrachloride, Zone 4, 52½-gal. dms., c.l...gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.40 - 1.70
decorticated, cs.....lb. 1.00 - 1.05
green, bgs.....lb. .80 - .81
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .14 - .16
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .14½- .16
5 tons, works.....lb. .16 - .17½
smaller lots, works.....lb. .20½- .21½
80-100 mesh, bgs.....lb. .15 - .16½
5 tons, works.....lb. .16½- .18
smaller lots, works.....lb. .21 - .22
Casein, import, Argent., 20-30 mesh, bgs., c.l., duty pd.lb. .14 - —
80-100 mesh, bgs., c.l., duty paid..lb. .14½- —
French, 80 mesh, bgs., c.l., duty paid..lb. .14 Nom.
Cassia, Batavia, No. 1, bls....lb. .17¾- .18¼
shortstick, bls.....lb. .14 - .14½
broken, bls.....lb. .13½- .14
China, rolls, select, bls.....lb. .10 - .10½
broken, extra, bls.....lb. .10 - .10½
Saigon, bls.....lb. .15½- .16
Cassia buds, cs.....lb. .14¼- .14¾
Cassia fistula, bskts.....lb. .13 - .14
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, f.o.b. shipt. ports..ton.86.00 -88.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
import, bgs., c.i.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .18¼- .18⅝
Indian, bgs.....lb. .15¼- .15¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works, lb. .37 - —
Cellulose, acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, cs., 5,000 lbs. and over, frt. alld..lb. .35 - —
100 to 4,950 lbs., same basis..lb. .36 - —
less than 100 lbs., works, lb. .37 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .35 - .40
Roman, bls.....lb. .45 - .50
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.23.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.32.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso).....ton.25.00 - —
c.l., dlvd., Kansas, El Paso, Tex..ton.26.00 - —
Michigan .....ton.29.80 - —
Ohio .....ton.29.80 - —
Penn. .....ton.31.80 - —
Utah .....ton.66.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works. ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.26.00 Nom.
powd., csks., l.c.l., ex dock, ton.39.00 Nom.
ex whse.....ton.42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, 5 cps., bgs., c.l., works..lb. .40 - —
ton lots, works.....lb. .42 - —
smaller lots, works.....lb. .45 - .50
10-1,000 cps., bgs., c.l., works, lb. .35 - —
ton lots, works.....lb. .37 - —
smaller lots, works.....lb. .40 - .45
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .06¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works.....lb. .85 - —
5-25-lb. cyls., works.....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs.....lb. .70 - .75
20 in., medium, cs.....lb. .30 - .35
USP, broken quill, red, bgs., lb. .27 - .28
yellow, bgs.....lb. .27 - .28

They Started Something!

WHEN William Caxton set up the first printing press in England he started something. At the time, the event did not cause even a ripple of interest outside a few scholarly circles. But in the light of history the results are breath-taking!

The printing press revolutionized the thinking of man . . . spread knowledge to every corner of the earth...opened the eyes of millions to new and better ways of life. Few inventions have had such a profound influence over the history of the human race.

When EBG engineers introduced Liquid Chlorine to America in 1909 they started something too. They started an industry that saved thousands of lives, prevented the spread of disease in hundreds of communities through the purification of water supplies and the sterilization of sewerage. They made possible the production of better textiles, paper and other products at less cost through more efficient and economical bleaching methods.

The first cylinder of Liquid Chlorine made by EBG in 1909.

In the field of Liquid Chlorine, EBG has been a leader from the start — first to produce it in the U. S. A., first to adapt it to many important uses. The experience gained by the company in this pioneering work is always at your service when you use EBG Liquid Chlorine.

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N. Y.
Plant: Niagara Falls, N. Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns.....100 ozs..oz. .90 - —
powd., cns.....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .58 - —
large, cns.....100 ozs..oz. .62 - —
powd., cns.....100 ozs..oz. .54 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 4c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 5-lb. bxs., lb. 3.90 - —
1 lb., bots.....lb. 3.42 - —
100 lbs., dms.....lb. 3.15 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2 bls.....lb. .19 - .19½
3 bls.....lb. .18½ - .19
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars, tubes..lb. .87 - —
Citronella, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Madagascar, bls.....lb. .23 Nom.
Zanzibar, bls.....lb. .17½ - .18
Clover tops, bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½ - .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½ - .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., wks.....lb. .76 - .80
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½ - —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½ - —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .13 - .13¼
Cocillana bark, bgs.....lb. .40 - .45
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .06½ - .07
Blue, root, bls.....lb. .06 - .07
Colchicine, bots., 4 ozs.....oz. 18.00 - —
single, ozs.....oz. 19.00 - —
Colchicum seed, bgs.....lb. .35 - .37
Collodion, USP, dms., 325 lbs..lb. .12½ - —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½ - —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .18 - .20
Coltsfoot leaves, bgs.....lb. .15 - .16
Condurango bark, bgs.....lb. .14 - .16
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .34 - .35
S. A. USP, cns.....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .1690 Nom.
Chloride, cryst., bbls.....lb. .18 Nom.
Cyanide, tech., bbls.....lb. .34 Nom.
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12½ - —
Nitrate, cryst., bbls.....lb. .17 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, 79-80% bbls., tons, works..lb. .18¾ Nom.
Red, com'l., 80-88%, kgs., f.o.b. N. Y..lb. .20 Nom.
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .24½ - .25½
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton. 18.00 - —
bbls., c.l., works.....ton. 20.00 - —
l.c.l., 23 or over, works, 100 lbs. 1.55 - —
5-24, works.....100 lbs. 1.65 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, shipt.....lb. .0205- —
Coriander seed, Morocco, bgs..lb. .04 - .04½
bleached, bgs.....lb. .09½ - .10
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 2.99 - —
slabs, bbls., c.l.....100 lbs. 2.91 - —
solid, bbls., c.l.....100 lbs. 3.03 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.02 - —
43°, bbls., c.l.....100 lbs. 3.07 - —
Cornsilk, bls.....lb. .14 - .15
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.04 - —
gran., powd., dms., 50 lbs. or more..lb. 1.89 - —
Cottonroot bark, bls.....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .13½ - .14
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .25¼ - —
smaller lots, bbls.....lb. .25¾ - —
kgs.....lb. .26¼ - —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote, oil, crude, tanks, works, gal. .13½ - .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾ - —
l.c.l., same basis.....lb. .10¼ - —
special resin grade, dms., c.l., works..lb. .08¾ - —
l.c.l., same basis.....lb. .09¼ - —

Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .42 - .44
powd., cs.....lb. .47 - .48
Culver's root, bls.....lb. .15 - .16
Cumin seed, Algerian, bgs.....lb. .14¾ - .15¼
Morocco, bgs.....lb. .14½ - .15
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½ - —
Cyanamide, 22%, N_2, pulv., bgs., dlvd., contracts, N_2, unit ton. 1.27½ - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾ - —
lump, dms.....lb. .09¾ - —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms.,works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol, 98-100%, dms.,works, frt. alld. E. of Rockies...lb. .30 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E of Rockies..lb. .58 - —

D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, German, bls...lb. .35 - .40
Deertongue leaves, bls.....lb. .15 - .16
Degras, common, dom., bbls...lb. .09½ - .10
English, bbls.....lb. .09¼ Nom.
neutral, dom., bbls.....lb. .15 - .18
English, bbls.....lb. .15 - .18
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns.....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.75 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.40 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.60 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.35 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.55 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 - 11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½ - —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton. 22.00 - 35.00
l.c.l., ex whse.....ton. 45.00 - 150.00
import, bgs., c.l., c.i.f.....ton. 23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½ - —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½ - .25½
Sebacate, dms., works.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethyl carbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l.....lb. .19½ - —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - —
Monobutylether, dms., works..lb. .22½ - .24½
Monoethylether, dms., c.l., works..lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Glycol laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .06¾ - .10

Dimethyl phthalate, dms., c.l., dlvd..lb. .18½ - —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½ - —
Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol)
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronapthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest. dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .18 - .20
Dogwood bark, Jamaica, bls., lb. .07 - .09
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .70
reeds, thin, cs.....lb. 1.05 - 1.10
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns.....lb. 13.50 - —
Green, FD&C green, No. 1, cns. lb. 13.50 - —
FD&C green, No. 2, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 8.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
Yellow, FD&C yellow, No. 1, cns..lb. 6.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors) for drugs and cosmetics:—
Brown, D&C brown, No. 1, cns. lb. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C, green, No. 6, cns....lb. 12.35 - —
Orange, D&C orange, No. 5, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10 cns...lb. 15.85 - —
D&C orange, No. 11 cns...lb. 17.35 - —
Red, D&C, red, No. 17, cns..lb. 8.35 - —
D&C, red No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb. 10.35 - —
Ext.D&C, red, No. 10, cns.. lb. 12.35 - —
Ext.D&C, red, No. 11, cns. lb. 12.35 - —
Ext.D&C, red, No. 13, cns.. lb. 12.35 - —
Yellow, Ext.D&C, yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .80 - .95
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 2.90 - 3.10
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .90
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
364 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .80
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .35 - 1.00
626 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. e. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan.....lb. .30 - .50
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Cinchonidine—Epsom Salt

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base..lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown.....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin.....lb. .38 - .44
Blue:—
860 Indulin.....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
872 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin.....lb. .87 - —
900 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
4180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
251 Bismarck brown G...lb. .40 - .53
883 Bismarck brown R...lb. .40 - .53
793 Phosphin.....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb 2.00 - —
666 Guinea green B.....lb. 1.15 - —
787 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .87 - —
27 Orange G.....lb. .50 - —
151 Orange I.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G. lb. .42 - —
87 Amidonaphthol red 6B. lb. .66 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin.....lb. .60 - .62
183 Crocein scarlet 3BX.lb. .72 - .75
185 Cochineal red A....lb. .60 - —
262 Brilliant crocein M..lb. .66 - —
677 Fuchsin.....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
788 Eosin G.....lb. 1.50 - —
841 Safranin.....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .85 - —
138 Metanil yellow.....lb. .53 - —
556 Fast light yellow...lb. 1.25 - —
629 Xylene light yellow.lb. 1.15 - —
640 Tartrazin.....lb. .80 - —
655 Auramine.....lb. 1.37 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .60 - .63
imported.....lb. .58 - .61
Elder flowers, bright, bls.....lb. .40 - .45
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .10¼ - .11
powd., bbls., bxs.....lb. .21 - .22
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots..oz. 19.00 - 19.50
Ephedra, bls.....lb. .10 - .10½
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000 ozs., lots..oz. 1.25 - —
tins, 100 ozs., lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1,000-ozs. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l....lb. .08 - .09

Ergot—Glue, Hide

Ergot, USP, cns., dms.	lb.	3.50 - 3.75
Eserine, bots.	oz.	42.00 - —
Salicylate, bots.	oz.	38.00 - —
Sulphate, bots.	oz.	36.00 - —
Ether, acetic (see Ethyl acetate).		
Butyl, l.c.l., dlvd.	lb.	.25 - —
Ethyl (see Ether, sulphuric).		
Nitrous, conc., bots., 100 lbs.,	lb.	.68 - —
Sulphuric, conc., dms., 120 lbs.,	lb.	.09 - —
cns., 27 lbs.	lb.	.14 - —
synth., dms., c.l., works.	lb.	.08 - —
l.c.l., works	lb.	.09 - —
USP, anesthesia, dms., 27 lbs.,	lb.	.26 - —
USP, 1880, dms.	lb.	.39 - .40
washed, dms.	lb.	.37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld.	lb.	.075 - —
l.c.l., frt. alld.	lb.	.08 - —
tanks, frt. alld.	lb.	.065 - —
95-98%, dms., c.l., frt. alld.	lb.	.0775- —
l.c.l., frt. alld.	lb.	.0825- —
tanks, frt. alld.	lb.	.0675- —
USP, XI, dms., 460 lbs.	lb.	.09 - —
cns., 35 lbs.	lb.	.13 - —
Acetoacetate, dms., c.l., work	lb.	.27½- —
l.c.l., dms., works	lb.	.28 - —
Bromide, tech., dms.	lb.	.50 - .55
Caproate, cns.	lb.	1.00 - —
Chloride dms.	lb.	.18 - .20
Cinnamate, cns.	lb.	3.20 - 4.00
Crotonate, 55 gal. dms., dlvd.,	lb.	.35 - —
Formate, cns., dms.	lb.	.28 - .34
5 and 10 gal. dms., dlvd.	lb.	.75 - —
1 gal. cns.	lb.	1.60 - —
Iodide, bots.	lb.	3.50 - 3.65
Lactate, 55-gal. dms., works.	lb.	.32½- —
5-gal. dms., works.	lb.	.37½- .39½
Oxalate, dms., frt. alld.	lb.	.25 - —
Silicate, l.c.l., dms., works.	lb.	.17 - —
Vanillin, 25 lbs. lots., cns.,	lb.	6.00 - —
5-lb. lots.	lb.	6.05 - —
1-lb. lots, cns.	lb.	6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld.	lb.	.45 - —
contracts, 500 lbs. or more, frt. alld.	lb.	.47 - —
500 lbs. or more, frt. alld.,	lb.	.48 - —
100 to 499 lbs., frt. alld.,	lb.	.50 - —
smaller lots, works.	lb.	.55 - —
Ethylene bromide, dms.	lb.	.65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0595- —
West of Rockies, same basis.	lb.	.0644- —
l.c.l., works, E. of Rockies, frt. alld.	lb.	.0694- —
West of Rockies, same basis.	lb.	.0743- —
Ethyleneglycol, dms., c.l.	lb.	.14½- —
l.c.l.	lb.	.15½- .18½
tanks	lb.	.13½- —
Monobutylether, dms., c.; works.	lb.	.16½- —
l.c.l., works	lb.	.17½- .20½
tanks, works	lb.	.15½- —
Monoethylether, dms., c.l.,works,	lb.	.14½- —
l.c.l., works	lb.	.15½- .18½
tanks, works	lb.	.13½- —
Monoethylether, acetate, dms., c.l., works.	lb.	.11½- —
l.c.l., dms.	lb.	.12½- .15½
tanks, works	lb.	.10½- —
Monomethylether, dms., c.l., works.	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Ethyldinantilin, dms.	lb.	.46 - .47½
Eucalyptol, cns., dms.	lb.	.85 Nom.
Eucalyptus leaves, bls.	lb.	.13 - .15
Eugenol, cns., dms.	lb.	2.25 - 2.30
Euphorbia, bls.	lb.	.13 - .15

F

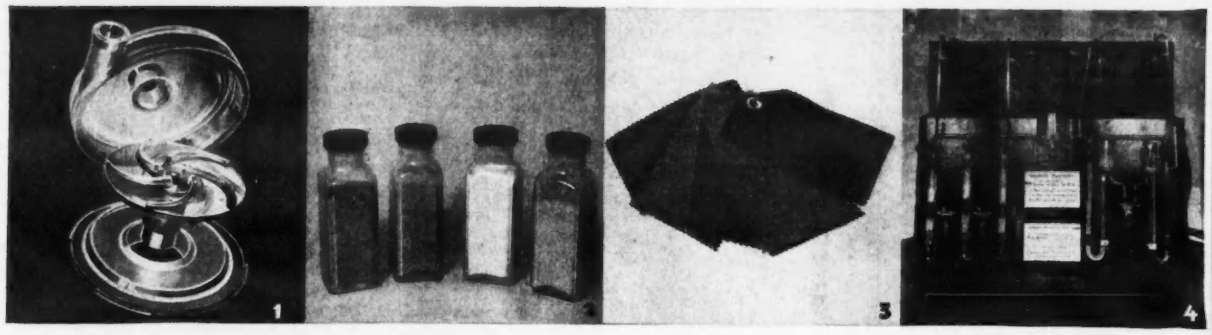
Feldspar, enamel, 100 mesh, bulk, works.	ton.	14.00 -17.50
l.c.l., minimum 2 tons.	ton.	17.00 -20.50
glass, 20 mesh, bulk, works.	ton.	9.75 -13.25
l.c.l., minimum 2 tons.	ton.	12.75 -16.25
pottery, bulk, Me., works.	ton.	17.00 -19.00
N.C., works.	ton.	17.00 -19.00
l.c.l., minimum 2 tons.	ton.	20.00 -22.00
Fennel seed, Indian, bgs.	lb.	.15 - .16
German, large, bgs.	lb.	.33 - .34
Fenugreek seed, bgs.	lb.	.06 - .06½
Ferric Sulphate, anhyd., c.l., works.	ton.	35.00 - —
l.c.l.	ton.	40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works.	lb.	.11½- —
smaller lots, works.	lb.	.13 - —
light, cs., 1,000 lbs. or over, works.	lb.	.12½- —
smaller lots, works.	lb.	.14 - —
water white, cs., 1,000 lbs., or over, works.	lb.	.13½- —
smaller lots, works.	lb.	.15 - —
Fir balsam, Canada, cns.	gal.	12.75 -13.00
Oregon, bbls.	gal.	1.10 - 1.15
Fish berries, bgs.	lb.	.15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures.	unit-ton.	4.25 Nom.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto.	ton.	58.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, So. Atlantic factories, contracts.	unit-ton.	3.00 & .50
Sardine, meal, Japanese, 11½% ammon., bgs., c.l.f. ports, Jan. shipt.	ton.	52.00 - —
spot.	ton.	52.00 - —
Flake, white, bbls., kgs.	lb.	.10¼- —
Flaxseed, French, black, bgs.	lb.	.20 - .21
Indian, blonde, bgs.	lb.	.09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines,	net ton.	32.60 - —
washed gravel, 85-5, f.o.b. Ill.-Ky.mines.	net ton.	21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill., mines.	net ton.	21.00 - —
imported, 85.5, duty paid, short	ton.	25.00 Nom.
Formaldehyde, bbls., c.l., works,	lb.	.05¾- —
l.c.l., works	lb.	.06¼- —
dms., c.l., works	lb.	.05¼- —
l.c.l., works	lb.	.05¾- —
tanks, works	lb.	.04½- —
Fringetree bark, bls.	lb.	.14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines.	ton.	10.00 - —
import, bgs., c.l., ex dock.	ton.	25.00 Nom.
l.c.l., ex whse.	ton.	32.00 Nom.
Furfural, refd., dms., c.l., works,	lb.	.15 - —
l.c.l., works	lb.	.17½- .25
tech., dms., contracts, 150,000 lbs.	lb.	.10 - —
c.l., works	lb.	.12½- —
l.c.l., works	lb.	.15 - .20
tanks, works	lb.	.09 - —
Fusel oil, refd., dms., incl., dlvd.,	lb.	.16 - .17½
Fustic extract, cryst., bbls.	lb.	.24 - .28
liquid, bbls.	lb.	.10½- .14
solid, dms.	lb.	.19 - .21

G

G salt, bbls.	lb.	.45 - —
Galangal root, bls.	lb.	.11 - .12
Gambier, common, cases.	lb.	.07 Nom.
plantation, cases.	lb.	.10 Nom.
Cubes, Singapore, cases.	lb.	.10 Nom.
extract, bbls.	lb.	.09½- .12
Gasoline, at refinery:—		
Bayonne, US motor, below 65 octane, tanks.	gal.	.06½- .0780
65 octane and above, tanks,	gal.	.06¾- .0735
California, 54-58, tanks.	gal.	.06½- .08
Gulf Coast, U. S. Motor, bulk,	gal.	.05½- —
60-62, 390 e.p., bulk, export,	gal.	.05½- —
70-72, 400 e.p., bulk, export,	gal.	.06¾- —
64-66, 375 e.p., bulk, export,	gal.	.05⅞- —
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.04 - .04¼
63-66 octane, tanks.	gal.	.04¼- .04½
67-69 octane, tanks.	gal.	.04½- .04¾
70-72 octane, tanks.	gal.	.04⅞- .05¼
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.03¼- .04
Gasoline, at refinery, Oklahoma-Texas, U.S. motor, third grade, tanks.	gal.	.03¼- .04
third grade, tanks.	gal.	.03¼- .04
63-66 octane, tanks.	gal.	.03½- .04½
67-69 octane, tanks.	gal.	.03⅝- .04⅝
70-72 octane, tanks.	gal.	.04 - .04¾
U. S. motor, 18-lb. v-p., tanks.	gal.	.05½- .05¼
22-lb. v.p., tanks.	gal.	.04¾- —
26-70 lb. v.p., tanks.	gal.	.04 - .04¼
below 60 octane, tanks.	gal.	.05 - —
65 octane, tanks.	gal.	.07 - —
52-54 450 e.p., naphtha, tanks.	gal.	.05½- —
natural, 12-lb. v.p., tanks.	gal.	.03½- .03¾
14-lb. v.p., tanks.	gal.	.02¾- .03
Gelatin, silver, cs.	lb.	.42 - .43
Gelsemium root, bls.	lb.	.14 - .15
Gentian root, bls.	lb.	.14 - .15
grd., bbls., bxs.	lb.	.16 - .17
powd., bbls., bxs.	lb.	.17 - .18
Geraniol, cns., dms.	lb.	.60 - 3.00
Geranyl acetate, bots., dms.	lb.	1.20 - 2.50
Ginger root, African, bgs.	lb.	.09¼- .09⅝
Cochin, leman, bgs.	lb.	.09½ Nom.
Jamaica, bold, bgs.	lb.	.11 - .11½
grinding, bright, bgs.	lb.	.09⅝- .09¾
medium, bgs.	lb.	.08 - .08¼
Japanese, bgs.	lb.	.07½- .08
Ginseng root, wild, Southern, cs.,	lb.	12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).		
cryst., dom., bgs., bbls., c.l., works.	100 lbs.	.95 - 1.18
5 tons or over, works.	100 lbs.	1.05 - 1.28
less than 5 tons, works.	100 lbs.	1.15 - 1.35
import, bgs.	100 lbs.	No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams.		
bgs., c.l., dlvd.	lb.	.13½- —
l.c.l., dlvd.	lb.	.14 - —
36/58, bgs., c.l., dlvd.	lb.	.13 - —
l.c.l., dlvd.	lb.	.13½- —
58/82, bgs., c.l., dlvd.	lb.	.14½- —
l.c.l., dlvd.	lb.	.15 - —
82/108, bgs., c.l., dlvd.	lb.	.15 - —
l.c.l., dlvd.	lb.	.15½- —
hide, calcimine type, 58 millipose 135 jelly grams, bgs., c.l., dlvd., East. Middlewest.	lb.	.15 - —
l.c.l., same basis.	lb.	.15½- —
60/164, bgs., c.l., same	lb.	.17 - —
l.c.l., same basis.	lb.	.17½- —
67/122, bgs., c.l., same basis, l.c.l., same basis.	lb.	.18 - —
75/222, bgs., c.l., same basis,	lb.	.18½- —
l.c.l., same basis.	lb.	.19½- —
88/251, bgs., c.l., same basis,	lb.	.19½- —
l.c.l., same basis.	lb.	.20½- —
92/283, bgs., c.l., same basis,	lb.	.20½- —
l.c.l., same basis.	lb.	.21½- —
102/315, bgs., c.l., same basis,	lb.	.21 - —
l.c.l., same basis.	lb.	.22 - —
113/347, bgs., c.l., same basis,	lb.	.22 - —
l.c.l., same basis.	lb.	.23 - —
125/379, bgs., c.l., same basis,	lb.	.23 - —
l.c.l., same basis.	lb.	.24 - —

Glue prices for barrel packing, ¼c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.

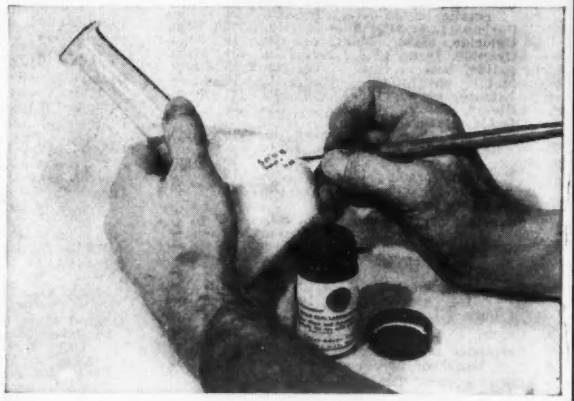
LIFE on the



(*Above*) **NEW DEVELOPMENTS** keynoted American Chemical Society's booth at the Seventeenth Exposition of Chemical Industries last month. In photo 1 are shown the parts of the new glass centrifugal pump, developed for the handling of many types of corrosive liquids. Photo 2 shows four new products made from sulphite waste: a tanning extract, a fixer for cement, vanillin, and sodium lignin sulphonate, a water-treating chemical. Photo 3 shows new rubber filter media. One type is made with a definite size and number of pores; a second with a large number of microscopic openings. Photo 4 shows set-up for demonstration of water treatment with new sodium hexametaphosphate, also used to "soften" milk so it will not curdle.

(*Above*) **SMOOTHNESS OF PAINT FILMS** is subjected to searching investigation by this delicate apparatus, which will detect irregularities as small as one-millionth of an inch. Cyanamid aids the paint industry to set the highest standards with such products as REZYL‡, PHENAC*, BEETLE‡, and TEGLAC‡ Resins.

(*Right*) **PAPER AND PLIOFILM "CAN"** is the latest wrinkle in food packaging. Developed by Bensel Brice Corp., package gives visual display of "canned foods", and offers new outlet for products of paper and rubber industries. To both these industries Cyanamid supplies many essential chemicals—and offers technical cooperation.



(*Above*) **PERMANENT INKS TO WRITE ON GLASS** are a boon to chemists and laboratory workers. Non-acid, non-corrosive, and opaque, they are newly developed by Clay-Adams Co. The formulation of inks calls for steady improvement in raw materials—and Cyanamid research keeps pace with the demand.

Glycerin, C.P., cns., l.c.l.	lb.	.14½- .15
dms., c.l., dlvd.	lb.	.12½- —
l.c.l dlvd.	lb.	.13 - —
tanks, dlvd.	lb.	.12¼- —
dynamite, dms.	lb.	Nominal.
high gravity, dms., c.l., dlvd.	lb.	.12 - —
l.c.l., dlvd.	lb.	.12½- —
tanks, dlvd.	lb.	.11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.	lb.	.13 Nom.
l.c.l., same basis.	lb.	.14 Nom.
tanks	lb.	.12 Nom.
for refiners, dms., returnable, tanks, dlvd.	lb.	.08¾- .09
soaplye, basis 80%, dms., tanks, returnable, dlvd.	lb.	.07¾- .08¼
Glycine, medicinal, bbls., tins.	lb.	1.70 - 2.00
Glycol boriborate, dms.	lb.	.22 - —
Phthalate, dms.	lb.	.38 - —
Stearate, dms.	lb.	.26 - —
Gold, U.S. purchase price	oz.	35.00 - —
Chloride, acid brown, bots.	oz.	20.75 -21.00
yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 - —
USP IX. bots.	oz.	14.50 -14.75
Gold of pleasure seed, bgs.	lb.	.12 - .12¼
Goldenseal, root, bls.	lb.	3.60 - 3.65
powd., bxs.	lb.	3.90 - 3.95
Grains of paradise, bgs.	lb.	.45 - .47
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works.	lb.	.06 - —
bbls., c.l., works.	lb.	.06¼- —
l.c.l., works.	lb.	.06½- —
amorph., powd., 80% 325 mesh, 80% graphitic carbon, bgs., c.l. works.	lb.	.02½- —
68% graphitic, carbon, bbls., c.l., works.	lb.	.03⅜- —
l.c.l., works.	lb.	.03¾- —
Graphite, amorph., powd., 80% graphitic, carbon, bgs., c.l., works.	lb.	.03½- —
bbls., c.l., works.	lb.	.03⅝- —
l.c.l., works.	lb.	.04½- —
Grease, house, loose.	lb.	.05 - .05¼
White	lb.	.05⅜- .05¾
Yellow	lb.	.05 - .05¼

Wool (see Adeps lanae and Degras).

Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .21 - —

6-10%, bbls., same basis.	lb.	.22 - —
11-15%, bbls., same basis.	lb.	.23 - —
16-20%, bbls., same basis.	lb.	.23½- —
21-25%, bbls., same basis.	lb.	.24 - —
26-30%, bbls., same basis.	lb.	.24½- —
31-35%, bbls., same basis.	lb.	.25½- —
36-40%, bbls., same basis.	lb.	.27 - —
41-45%, bbls., same basis.	lb.	.28½- —
46-50%, bbls., same basis.	lb.	.30 - —

Green, chrome, prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P., color content up to 5%, same basis.	lb.	.06 - —
9-10%, bbls., same basis.	lb.	.06¾- —
11-13%, bbls., same basis.	lb.	.07¼- —
14-16%, bbls., same basis.	lb.	.07⅞- —
Green, chrome, reduced, C.P., color content 17-19%, bbls., same basis.	lb.	.07¾- —
20-21%, bbls., same basis.	lb.	.08 - —
22-23%, bbls., same basis.	lb.	.08¼- —
24-25%, bbls., same basis.	lb.	.08½- —
26-27%, bbls., same basis.	lb.	.08¾- —
28-29%, bbls., same basis.	lb.	.09¼- —
30-31%, bbls., same basis.	lb.	.10 - —
32-33%, bbls., same basis.	lb.	.11¼- —
34-35%, bbls., same basis.	lb.	.12¼- —
36-40%, bbls., same basis.	lb.	.14¼- —
41-45%, bbls., same basis.	lb.	.16¼- —
46-50%, bbls., same basis.	lb.	.16¾- —
51-55%, bbls., same basis.	lb.	.17¼- —
56-60%, bbls., same basis.	lb.	.17¾- —
61-65%, bbls., same basis.	lb.	.18¼- —
66-70%, bbls., same basis.	lb.	.19¼- —
71-75%, bbls., same basis.	lb.	.20¼- —
Oxide, dom., pure, bbls.	lb.	.25 - —
ceramic, light shades, bbls., c.l., works.	lb.	.25 - —
l.c.l., works.	lb.	.30 - —
standard grade, bbls., works.	lb.	.21 - .22
Tetrahydroxide, bbls.	lb.	.85 - —

Paris (see P).

Tungstated, brilliant, kgs.	lb.	3.50 - —
emerald, kgs.	lb.	2.35 - —

Verdigris (see V).

Green dyes are listed under Dyes.

Grindelia robusta, bls.	lb.	.09 - .10
Guaiac resin, cs.	lb.	.80 - .85
strained, cs.	lb.	.80 - .85
Wood, bls.	lb.	.04 - .06
Guaiacol, liq., djns.	lb.	1.65 - 1.91
Carbonate, fib., dms., 25 lbs.	lb.	2.40 - 2.74
Guarana powd., cs.	lb.	1.10 - 1.15
Gum, aloe (see A).		
Ammoniac, tears, cs.	lb.	1.00 - 1.05

Glycerin—Gum, Copal

Gum, arabic, amber, sorts, cleaned, bgs.	lb.	.16½- .17
white, sorts, 1, bgs.	lb.	.33 - .35
2, bgs.	lb.	.32 - .34
powd., bbls.	lb.	.19½- .20

Asafetida (see A).

Asphaltum (see A).

Benzoin, Siam, cs.	lb.	1.40 - 1.60
Sumatra, cs.	lb.	.24 - .28

Camphor (see C).

Chicle, prime, 33% moisture, bgs., ton lots.	lb.	.34 - .35

Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran. lb. .49½- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

Copal, Congo, cloudy, white, bgs., c.l., same basis.	lb.	.29½- —
3, selected pale straw bold, bgs., c.l., same basis.	lb.	.24½- —
4, pale bold straw, bgs., c.l., same basis.	lb.	.24 - —
5, pale, straw bold, bgs., c.l., same basis.	lb.	.24 - —
6, pale amber bold, bgs., c.l., same basis.	lb.	.21½- —
7, pale, straw, bold, bgs., c.l., same basis.	lb.	.17 - —
8, light amber bold, bgs., c.l., same basis.	lb.	.17 - —
9, medium light amber, bold, bgs., c.l., same basis.	lb.	.13⅝- —
10, rescraped hard amber bold, bgs., c.l., same basis.	lb.	.13⅝- —
11, hard dark amber bold, bgs., c.l., same basis.	lb.	.11⅝- —
12, selected bold sorts, bgs., c.l., same basis.	lb.	.10⅝- —
13, dark sorts bold, bgs., c.l., same basis.	lb.	.08¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis.	lb.	.23⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis.	lb.	.10⅝- —
16, inferior ivory sorts., bgs., c.l., same basis.	lb.	.09¼- —
17, pale, fingers, bgs., c.l., same basis.	lb.	.17⅝- —
18, pale straw nubs, bgs., c.l., same basis.	lb.	.17½- —
19, pale straw nubs, bgs., c.l., same basis.	lb.	.16⅝- —
20, hard dark amber nubs, bgs., c.l., same basis.	lb.	.11⅝- —
21, ordinary selected nubs, c.l., same basis.	lb.	.10⅝- —
22, small mixed nubs, bgs., c.l., same basis.	lb.	.09⅜- —
23, dark mixed nubs, bgs., c.l., same basis.	lb.	.10½- —
24, No. 1, ivory nubs, bgs., c.l., same basis.	lb.	.17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis.	lb.	.09½- —
26, pale, bold chips, bgs., c.l., same basis.	lb.	.10 - —
27, pale small nubs, bgs., c.l., same basis.	lb.	.09½- —
28, pale dust, bgs., c.l., same basis.	lb.	.06⅝- —
Batu, bold, scraped, bgs., c.l., same basis.	lb.	.08¾- —
unscraped, bgs., c.l., same basis.	lb.	.06⅞- —
chips, bgs., c.l., same basis.	lb.	.07 - —
dust, bgs., c.l., same basis.	lb.	.06⅝- —
nubs and chips, bgs., c.l., same basis.	lb.	.07 - —
black, bold, scraped, bgs., c.l., same basis.	lb.	.11⅜- —
unscraped, bgs., c.l., same basis.	lb.	.08¼- —
nubs and chips, bgs., c.l., same basis.	lb.	.07¾- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.	lb.	.15⅝- —
chips, bgs., c.l., same basis.	lb.	.09 - —
dust., bgs., c.l., same basis.	lb.	.06⅜- —
nubs, bgs., c.l., same basis.	lb.	.13⅞- —
Singapore, Rasak, bold, bgs., c.l., same basis.	lb.	.17½- —
chips, bgs., c.l., same basis.	lb.	.09½- —
dust, bgs., c.l., same basis.	lb.	.06⅜- —
nubs, bgs., c.l., same basis.	lb.	.13½- —
Manila, Boeas, amber and dark, bskts., c.l., same basis.	lb.	.14⅛- —
light, bskts., c.l., same basis.	lb.	.16⅜- —
Loba A, bskts., c.l., same basis.	lb.	.16½- —
B, bskts., c.l., same basis.	lb.	.15⅝- —
C, bskts., c.l., same basis.	lb.	.15½- —
CNE, bskts., c.l., same basis.	lb.	.12¼- —
D, bskts., c.l., same basis.	lb.	.14½- —
DK, bskts., c.l., same basis.	lb.	.11⅛- —
DK, dst, bskts, c.l., same basis.	lb.	.08¾- —
Sambas and white spirit chips, bskts., c.l., same basis.	lb.	.17½- —
Singapore, dust., bskts., same basis.	lb.	.08¾- —
spirit-soluble, CBB, bskts. basis.	lb.	.13⅞- —
DBB, bskts., c.l., same basis.	lb.	.13½- —
MA, bskts., c.l., same basis.	lb.	.12⅝- —
MB, bskts., c.l., same basis.	lb.	.11⅞- —
WS, bskts., c.l., same basis.	lb.	.13½- —
Philippine, Manila, amber sorts, bskts., c.l., same basis.	lb.	.12¾- —
chips, pale, bskts., basis.	lb.	.13¼- —
Philippine, Manila, pale, small bskts., c.l., same basis.	lb.	.12 - —
extra pale sorts, bskts., c.l., same basis.	lb.	.13½- —
nubs, bskts., c.l., same basis.	lb.	.14⅝- —
pale, scraped, bskts., c.l., same basis.	lb.	.15⅝- —
seeds and dust, bskts., c.l., same basis.	lb.	.09⅝- —
Pontianak, bold, genuine, bgs., same basis.	lb.	.18½- —

Chemical Newsfront

(Above) **NEW CHEMICAL AID TO RAILROADS** that may save $2,000,000 a year is the combination of sodium dichromate with an alkalizing agent to inhibit corrosive effects of brine drippings on equipment, track and bridges. Laboratory tests, reports Association of American Railroads, indicate good potentialities; service tests, it is hoped, will confirm them.

re) **FIGHTING CHEMICAL FIRES** is a job that chemicals on with marked success. Recent development is the use ulverized dry ice (solid carbon dioxide). Effectiveness of carbon dioxide "snow" in smothering gasoline fires is vn in this photo of the snow being sprayed on a flaming el which was soaked in gasoline before being ignited.

nc) **NEW RUBBER BATHING CAPS** that help keep wearer t come to the fore as the Florida season gets under way. wing importance of the mechanical rubber goods field has ured the development of the industry—and with it have e new problems in compounding. Cyanamid's line of RO▼ BRAND chemicals helps in difficult problems.

(Above) **FOAMING BEER GLASSES** usually leave plenty of moisture in their wake. But stand one on a coaster treated with AEROSOL‖ Wetting Agents (see glass at right), and the coaster absorbs the moisture far faster than an untreated one (left). An unusual application, but typical of the rapid wetting properties of AEROSOL, which have won wide acceptance for it as an agent for reducing surface and interfacial tension in many industrial applications.

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

*Trade-mark of American Cyanamid & Chemical Corporation.
‡Registered trade-mark of American Cyanamid Company.
▼ Registered U. S. Patent Office.
‖Trade-mark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

Gum, Copal—Lime-Sulphur

Gum, copal, Pontianak, mixed, bgs., c.l., same basis	lb.	.16½ -	—
split, bgs., c.l., same basis,	lb.	.16¼ -	—
chips, bgs., c.l., same basis,	lb.	.10½ -	—
nubs, bgs., c.l., same basis,	lb.	.13½ -	—
Dammar, Batavia, A, cs., c.l., same basis as copal	lb.	.22¾ -	—
A/D, cs., c.l., same basis	lb.	.14½ -	—
A/E, cs., c.l., same basis	lb.	.13¾ -	—
B, cs., c.l., same basis	lb.	.21½ -	—
C, cs., c.l., same basis	lb.	.15¼ -	—
D, cs., c.l., same basis	lb.	.13¾ -	—
dust, cs., c.l., same basis	lb.	.08¾ -	—
E, cs., c.l., same basis	lb.	.10¾ -	—
F, cs., c.l., same basis	lb.	.08¾ -	—
Singapore 1, cs., c.l., same basis	lb.	.19¾ -	—
2, cs., c.l., same basis	lb.	.15¾ -	—
3, cs., c.l., same basis	lb.	.09 -	—
chips, cs., c.l., same basis	lb.	.12½ -	—
dust, cs., c.l., same basis	lb.	.09 -	—
seeds, cs., c.l., same basis,	lb.	.10½ -	—
Elemi, cns., c.l., same basis as copal	lb.	.11¾ -	—
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs.,	lb.	.06¼ -	.06¾
less than 10,000 lbs., same basis	lb.	.06½ -	.07
Western N. Y., and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l.,	lb.	.06¾ -	.07
l.c.l., same basis	lb.	.07 -	.07½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l.	lb.	.07 -	.07½
l.c.l., same basis	lb.	.07¼ -	.07¾
Euphorbium, cs.	lb.	.50 -	.55
Galbanum, cs.	lb.	1.50 -	1.60
Gamboge, pipe, cs.	lb.	.70 -	.75
powd., bbls.	lb.	.75 -	.80
Ghatti, soluble, bgs.	lb.	.11 -	.15
superior, bgs.	lb.	.09 -	.11
Guaiac (see Guaiac resin).			
Karaya, bbls., bxs., dms.	lb.	.14 -	.33
Kauri, brown, XXX, cs., c.l.,	lb.	.60 -	—
BX, cs., c.l., same basis	lb.	.38 -	—
B1, cs., c.l., same basis	lb.	.28 -	—
B2, cs., c.l., same basis	lb.	.24 -	—
B3, cs., c.l., same basis	lb.	.18½ -	—
80% chips, cs., c.l., same basis	lb.	.12¼ -	—
pale, XXX, cs., same basis	lb.	.61 -	—
1, cs., c.l., same basis	lb.	.41 -	—
2, cs., c.l., same basis	lb.	.24 -	—
3, cs., c.l., same basis	lb.	.17¾ -	—
Kino, tins	lb.	4.00 -	4.50
Locust bean, powd., bbls.	lb.	Nominal	
Mastic, cs., c.l., same basis as copal	lb.	.85 -	.90
Myrrh, USP, cs.	lb.	.60 -	.65
Olibanum, siftings, cs.	lb.	.08 -	.12
Tears, cs.	lb.	.15 -	.25
Opium (see O)			
Rosin (see R)			
Sandarac, cks., c.l., same basis as copal	lb.	.37	Nom
Scammony, cs.	lb.	1.10 -	1.15
Talha, bgs.	lb.	.14	Nom
Thus, bbls.	280 lbs.	15.00 -	15.25
Tragacanth, Alleppo, 1 cs.	lb.	2.50	Nom.
2, cs.	lb.	2.40	Nom.
3, cs.	lb.	2.25	Nom.
flake, bgs.	lb.	No prices	
Yacca, bgs.	lb.	.08½ -	.04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	22.45 -	—
Medicine Lodge, Kans., frt. equald.	ton.	17.00 -	—
New Brighton, N. Y., frt. equald.	ton.	27.15 -	—
Southard, Okla., frt. equald.	ton.	17.00 -	—
Sweetwater, Tex., frt. equald.	ton.	21.45 -	—
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.	ton.	12.50 -	—
Blue Rapids, Kans., frt. equald.	ton.	12.50 -	—
Medicine Lodge, Kans., frt. equald.	ton.	12.50 -	—
New Brighton, N. Y., frt. equald.	ton.	14.00 -	—
Southard, Okla., frt. equald.	ton.	12.50 -	—
Sweetwater, Texas, frt. equald.	ton.	12.50 -	—
stucco, paper bags, c.l., f.o.b. Acme, Tex.: Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.	ton.	8.00 -	—
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald.	ton.	12.00 -	—
import, bgs., ex dock	ton.	28.00	Nom

H

Hawthorn berries, bgs.	lb.	.35 -	.37
Heliotropin, cryst., cns.	lb.	3.00 -	3.20
Hellebore root, white, powd., bbls.	lb.	.14 -	.15
Helonias root, bls.	lb.	.55 -	.60
Hematine crystals, bbls.	lb.	.20 -	.30
Hemlock bark extract, 25%, tan, c.l., bbls., works	lb.	.06¾ -	—
l.c.l., bbls., works	lb.	.03¾ -	—
tanks, works	lb.	.03 -	—
Hempseed, Manchur, bgs.	lb.	.06½ -	.07½
Henbane, leaves, bls.	lb.	.65	Nom.
Henna leaves, bls.	lb.	.16 -	.18
powd., bbls., bxs	lb.	.18 -	.20
Heptane, mixed, 77-115°C., dms., c.l., Group 3	gal.	.11 -	—
l.c.l., Group 3	gal.	.16 -	—
tanks, Group 3	gal.	.08½ -	—
Normal, 86-100°, dms., c.l., Group 3	gal.	.11½ -	—
l.c.l., Group 3	gal.	.17 -	—
tanks, Group 3	gal.	.09½ -	—
Hexalin, dms.	lb.	.80 -	—
Hexane, normal, 60-70° C., dms., c.l., Group 3	gal.	.12½ -	—
l.c.l., Group 3	gal.	.17 -	—
tanks, Group 3	gal.	.10¼ -	—
laboratory grade, dms., c.l., Group 3	gal.	.14 -	—
l.c.l., Group 3	gal.	.25 -	—
Hexamethylenetetramine, tech., dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C.	lb.	.32 -	—
150 to 1,350 lbs., shipments, same basis	lb.	.33 -	—
USP, dms., 500 lbs. or more, shipments, same basis	lb.	.38 -	—
5lb. ctns., same basis	lb.	.40 -	—
Homatropine hydrobromide, bots., 25 ozs.	oz.	15.00	Nom.
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago	unit-ton.	3.00 -	3.15
Hops, N. F., bls.	lb.	.23 -	.24
Horehound, bls.	lb.	.12 -	.13
Hydrangea root, bls.	lb.	.08 -	.09
Hydrastine, bots., 4 ozs.	oz.	17.25 -	—
cns., 16 ozs.	oz.	17.00 -	—
Hydrochloride, bots., 4 ozs.	oz.	17.25 -	—
cns., 16 ozs.	oz.	17.00 -	—
Sulphate, bots., 4 ozs.	oz.	19.00 -	—
cns., 16 ozs.	oz.	18.75 -	—
Hydrastinine, 15 gr., bots.	bot.	3.00 -	—
Hydrastis (see Golden seal).			
Hydrofuramide, dms., 100 lbs. or more, works	lb.	.30 -	—
fib. ctns., works	lb.	.40 -	—
Hydrogen peroxide, USP, bbls.	lb.	.03¾ -	.04
100 vols., cbys., E. of Miss. R.	lb.	.20 -	—
Hydroquinone, dealers, bbls., dms.	lb.	.90 -	.94
Hydroxycitronellal, cns.	lb.	2.00 -	2.50
Hyoscine hydrobromide, bots.	oz.	26.00 -	26.25
Hydrochloride, 5 gr., bots.	bot.	.75 -	—
Hyoscyamine, 5 gr., bots.	bot.	.60 -	—
Hydrobromide, 5 gr., bots.	bot.	.60 -	—
Sulphate, 5 gr., bots.	bot.	.60 -	—
Hypernic, ext. liquid, 51°, bbls.	lb.	.14 -	—

I

Iceland moss, bls.	lb.	.18 -	.20
Ichthyol, bots.	lb.	4.00	Nom.
Indian red (see Red, Indian).			
Indigo, nat., Madras, cs.	lb.	1.63 -	1.67
synth., liq., bbls.	lb.	.16½ -	.19
powd., bbls.	lb.	.74½ -	.85
Indol, CP, bots.	lb.	32.00 -	34.00
Insect flowers (see Pyrethrum).			
Iodine, crude, jars, 25 lbs.	lb.	1.30 -	—
kgs., 150 lbs., less 5%	lb.	1.21 -	—
resubl., bots., 5 lbs.	lb.	2.10 -	—
jars, 50 lbs.	lb.	2.00 -	—
tincture, USP, bbls, 47 gals.	gal.	2.00 -	—
cbys., 5 gals.	gal.	2.05 -	2.10
mild, bbls., 47 gals.	gal.	1.25 -	—
cbys., 5 gals.	gal.	1.30 -	1.35
Iodoform, dms., 100 lbs.	lb.	4.10 -	—
jars, 5 gals.	lb.	4.20 -	—
Ionone, alpha, bots.	lb.	2.50 -	2.55
alpha, extra, bots.	lb.	4.00 -	4.05
alpha beta, bots.	lb.	2.25 -	2.30
beta, bots.	lb.	4.10 -	4.15
Ipecac root, bgs.	lb.	1.15 -	1.20
powd., bxs.	lb.	1.25 -	1.30
Irish moss, ordinary, bls.	lb.	.16 -	.17
powd., 80-90 mesh, bbls.	lb.	.30 -	.32
prime, bleached, bls.	lb.	.28 -	.30
Iron acetate, N. F., IV, 100-lb. cbys.	lb.	.15 -	—
djns., 50 lbs.	lb.	.16 -	—
liquor, bbls., c.l., dlvd.	lb.	.03 -	—
l.c.l., dlvd.	lb.	.04 -	—
Chloride (ferric), tech., anhydr., 390-lb. dms.	100 lbs.	4.65 -	6.25
150-lb. dms.	100 lbs.	5.00 -	6.60
cryst., bbls., works, frt. alld. or equald.	lb.	.05 -	.06
kegs, works, frt. alld. or equald.	lb.	.07½ -	.08
liquor, cbys., works, frt. alld. or equald.	lb.	.05 -	.06
USP X, cryst., bbls.	lb.	.07½ -	—
kegs	lb.	.08½ -	—
USP solut., cbys., works, frt. alld. or equald.	lb.	.06½ -	.07
djns.	lb.	.07½ -	—
USP VIII, pearls	lb.	.72 -	.75
powd., cns.	lb.	.84 -	.87
scales, cns.	lb.	.77 -	.80
Glycerophosphate, bbls., kgs., 1,000-lb. lots.	lb.	3.15 -	—
smaller lots	lb.	3.25 -	—
cns., 25 lbs.	lb.	3.37 -	—
Hypophosphite, cns.	lb.	1.55 -	1.60
Iodide, oots.	lb.	3.18 -	3.32
syrup, djns.	lb.	.39 -	—
bots.	lb.	.53 -	—
Iron, nitrate, coml., kgs.	lb.	.02¾ -	.03
Oxalate, powd., kgs.	lb.	.47 -	—
cns.	lb.	.52 -	—
scales, cns.	lb.	.83 -	.85
Oxide (see Black, Red, etc.).			
Phosphate, ferric, pearls, cns., 50 lbs.	lb.	.54 -	—
25 lbs.	lb.	.57 -	—
scales, cns., 50 lbs.	lb.	.59 -	—
25 lbs.	lb.	.62 -	—
ferrous, 200-lb., bbls.	lb.	.35 -	—
25-lb. bxs.	lb.	.40 -	—
100-lb. kgs.	lb.	.37 -	—
Pyrophosphate, pearls, cns.	lb.	.59 -	.62
scales, cns.	lb.	.64 -	.67
Reduced, 90%, cs.	lb.	.60 -	.65
Sulphate, tech. (see Copperas and ferric sulphate).			
Sulphate, USP, cryst., 275-lb. bbls.	lb.	.04¼ -	—
dms., 100 lbs.	lb.	.06½ -	—
Iron-ammonia citrate, brown, gran., cns.	lb.	.35 -	.38
pearls, cns.	lb.	.35 -	.38
scales, cns.	lb.	.47 -	.50
green, gran., cns.	lb.	.35 -	.38
pearls, cns.	lb.	.35 -	.38
scales, cns.	lb.	.47 -	.50
Iron-ammonia oxalate, bxs.	lb.	.30 -	—
fib., dms.	lb.	.23½ -	—
kgs.	lb.	.25½ -	—
Iron-potash oxalate, bbls.	lb.	.42 -	—
kgs.	lb.	.44 -	—
jars	lb.	.48 -	—
Iron-soda oxalate, bxs.	lb.	.30 -	—
fib., dms.	lb.	.23½ -	—
kgs.	lb.	.25½ -	—
Isobutylacetate, 55 gal., dms., works.	lb.	.049 -	—
tanks, works	lb.	.059 -	—
Isopentane, dms., works	lb.	.48 -	—
small lots, works	lb.	.50 -	—
Isophorone, dms., works	lb.	.25 -	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld.	lb.	.10 -	—
55 gals., c.l., E. of Rockies, frt. alld.	lb.	.065 -	—
55 gals., l.c.l., E. of Rockies, frt. alld.	lb.	.07 -	—
tanks, E. of Rockies, frt. alld.	lb.	.055 -	—
Alcohol (see Alcohol).			
Ether, dms., 5 gal., frt. alld.,	gal.	.55 -	—
55 gal., c.l., E. of Miss., frt. alld.	gal.	.35 -	—
55 gal., c.l., W. of Miss., frt. alld.	gal.	.39 -	—
l.c.l., E. of Miss., frt. alld.,	gal.	.44 -	—
Isopropyl ether, tanks, E. of Miss., frt. alld.	gal.	.25 -	—
W. of Miss., frt. alld.,	gal.	.29 -	—

J

Jaborandi leaves, bls.	lb.	.11 -	.13
Jalap root, NF, bls.	lb.	.24 -	.26
powd., bbls., bxs.	lb.	.28 -	.30
resin, lump, cns.	lb.	3.70 -	—
powd., bxs.	lb.	3.75 -	—
Juniper berries, bgs.	lb.	.09 -	.09½

K

Kamala, tins.	lb.	.42 -	.43
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.14 -	.16
Kerosene, at refinery:—			
Bayonne, 41-43 w.w., tanks,	gal.	.0520-	—
Gulf ports, p.w., bulk	gal.	.03¾ -	.03¾
w.w., bulk	gal.	.03¾ -	—
Louisiana - Arkansas, 41-43 w.w., bulk	gal.	.04 -	.04¾
Oklahoma-Texas, 41-43 w.w., tanks	gal.	.04 -	.04½
42-44 w.w., tanks	gal.	.04¼ -	.04⅝
Pennsylvania, 45 w.w., tanks,	gal.	.04⅝ -	.04⅞
46 w.w., tanks	gal.	.04¾ -	.05
47 w.w., tanks	gal.	.04⅞ -	.05⅛
Kerosene, tankwagon:—			
Atlanta	gal.	.12 -	—
Boston	gal.	.08¼ -	—
Chicago	gal.	.10 -	—
Cincinnati	gal.	.13 -	—
Denver	gal.	.11½ -	—
Louisville	gal.	.10 -	—
Minneapolis	gal.	.104 -	—
New Orleans	gal.	.11 -	—
New York	gal.	.09 -	—
San Francisco	gal.	.11½ -	—
Kerosene distillate (see Oil, furnace).			
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd.	ton.	No Prices	
Kola nuts, bgs.	lb.	.12 -	.13

L

Lady slipper root, bls.	lb.	.36 -	.37
Lanolin (see Adeps lanae).			
Lard, city, tubs	100 lbs.	6.50 -	6.75
Middlewestern, trcs.	100 lbs.	6.70 -	6.80
Neutral, trcs.	100 lbs.	7.50 -	7.75
Western, choice, trcs.	100 lbs.	6.75 -	6.85
Compound, trcs.	100 lbs.	9.50 -	9.75
Larkspur seed, bgs.	lb.	.85 -	1.25
Laurel berries, bls.	lb.	.25 -	.26
Leaves, Greek, bls.	lb.	.05½ -	.06
Lavender flowers, ordinary, bls.	lb.	.45 -	.50
medium, bls.	lb.	.55 -	.60
select, bls.	lb.	.65 -	.70
Lead acetate, white, broken, bbls.	lb.	.11 -	—
cryst., bbls.	lb.	.11 -	—
gran., bbls.	lb.	.11¾ -	—
powd., bbls.	lb.	.11¾ -	—
Arsenate, bgs., c.l., dealers.	lb.	.10 -	.11
l.c.l., bgs., dealers.	lb.	.10½ -	.11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.			
Blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.06¼ -	—
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.06¼ -	—
l.c.l., dlvd. E.	lb.	.06½ -	—
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07 -	—
Carbonate (see Lead, white).			
Chloride, pure, bots., 5 lbs.	lb.	.62 -	—
fib. dms., 25 lbs.	lb.	.40 -	—
Iodide, NF V, powd., bots., 5 lbs.	lb.	2.66 -	—
jars	lb.	2.55 -	—
Linoleate, pale, precip., dms.	lb.	.19 -	—
Metal (see daily quotations in market report).			
Metallic, paste, 200-lb. cont., f.o.b. works	lb.	.19 -	—
5-lb. cont., f.o.b. works	lb.	.22 -	—
Nitrate, bbls.	lb.	.11 -	.14
Oleate, bbls.	lb.	.18½ -	.20
Peroxide, cns., works	lb.	.46 -	.47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.0835-	—
other points	lb.	.0810-	—
Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.08½ -	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼ -	—
Colo., Mont., N. Mex., Wyo.	lb.	.09 -	—
other points	lb.	.08½ -	—
smaller lots, etc.	lb.	.09¼ -	—
Ariz., etc.	lb.	.09¾ -	—
Colo., etc.	lb.	.09½ -	—
other points	lb.	.09 -	—
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.,	lb.	.0860-	—
other points	lb.	.0835-	—
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.09 -	—
Ariz., etc.	lb.	.09½ -	—
Colo., etc.	lb.	.09¼ -	—
other points	lb.	.08¾ -	—
smaller lots, dlvd., Ala., etc.	lb.	.09½ -	—
Ariz., etc.	lb.	.10 -	—
Colo., etc.	lb.	.09¾ -	—
other points	lb.	.09¼ -	—
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.,	lb.	.0895-	—
other points	lb.	.0860-	—
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.09¼ -	—
Ariz., etc.	lb.	.09¾ -	—
Colo., etc.	lb.	.09½ -	—
other points	lb.	.09 -	—
Lead, red, dry, 98% Pb_3O_4, bbls., smaller lots, dlvd., Ala., etc.	lb.	.09¾ -	—
Ariz., etc.	lb.	.09¾ -	—
Colo., etc.	lb.	.10 -	—
other points	lb.	.09½ -	—
in oil, 95% min., 100-lb. kgs.,	lb.	.12¼ -	—
Resinate, fused 15%, bbls.	lb.	.09½ -	—
pale, bbls.	lb.	.11½ -	—
precip., bbls.	lb.	.16½ -	—
Stearate, bbls.	lb.	.26 -	—
Sulphate (see Lead, white, basic sulphate).			
Titanate, bbls., c.l. (20 tons), works, frt. alld.	lb.	.10 -	—
l.c.l., 5 tons, one delvy., E. frt. alld.	lb.	.10¼ -	—
Pac. Cst., ex whse.	lb.	.10¼ -	—
smaller lots, E. frt. alld.	lb.	.10½ -	—
Pac. Cst., ex whse.	lb.	.10½ -	—
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo.	lb.	.07¼ -	—
other points	lb.	.07 -	—
l.c.l., dlvd., Ariz., etc.	lb.	.07½ -	—
other points	lb.	.07¼ -	—
basic sulphate, bbls., c.l., dlvd., Ariz., etc.	lb.	.06¼ -	—
other points	lb.	.06½ -	—
l.c.l., dlvd., Ariz., etc.	lb.	.06¾ -	—
other points	lb.	.06¼ -	—
in oil, 100-lb. kgs., consumers.	lb.	.12¾ -	—
dealers	lb.	.10¼ -	—
painters	lb.	.11¼ -	—
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.			
Lecithin, 100%, cns., f.o.b., N. Y. or Chi.	lb.	2.50 -	—
edible, grade 1, dms., c.l., same basis	lb.	.45 -	—
l.c.l., same basis	lb.	.47½ -	.65
grades 2 or 3, dms., c.l., same basis	lb.	.47½ -	—
l.c.l., same basis	lb.	.50 -	.67½
grade 4, dms., c.l., same basis	lb.	.50 -	—
l.c.l., same basis	lb.	.52½ -	.70
purified, cs., dms., c.l., same basis	lb.	.65 -	—
l.c.l., same basis	lb.	.67½ -	.85
tech., grade 1, dms., c.l., same basis	lb.	.35 -	—
l.c.l., same basis	lb.	.37½ -	.55
grades 2 or 3, dms., c.l., same basis	lb.	.37½ -	—
l.c.l., same basis	lb.	.40 -	.57½
grade 4, dms., c.l., same basis	lb.	.40 -	—
l.c.l., same basis	lb.	.42½ -	.60
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.			
Lemon peel, bls.	lb.	.13 -	.15
Licorice extract, mass., cs.	lb.	.18 -	.19
powd., bbls.	lb.	.24 -	.25
root, cuttings, bls.	lb.	.07 -	.08
powd., bbls., bxs.	lb.	.11 -	.12
select, bndls., cs.	lb.	.20 -	.25
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.	ton.	7.00 -	—
Berkley, W. Va.	ton.	7.00 -	—
Carey, Ohio	ton.	7.00 -	—
Cedar Hollow, Pa.	ton.	8.50 -	—
Crab Orchard, Tenn.	ton.	6.25 -	—
Eagle Mountain, Va.	ton.	7.00 -	—
Farnams, Mass.	ton.	8.00 -	—
Gibsonburg, Ohio	ton.	7.00 -	—
Hannibal, Mo.	ton.	6.50 -	—
Keystone, Ala.	ton.	7.00 -	—
Knoxville, Tenn.	ton.	6.25 -	—
Limedale, Ark.	ton.	7.00 -	—
Longview, Ala.	ton.	6.25 -	—
Manistique, Mich.	ton.	8.00 -	—
Marblehead, Ohio.	ton.	7.50 -	—
Martinsburg, W. Va.	ton.	7.00 -	—
Menominee, Mich.	ton.	8.00 -	—
Mitchell, Ind.	ton.	6.50 -	—
Newala, Ala.	ton.	6.25 -	—
Rincon, Cal.	ton.	13.00 -	—
Ripplemead, Va.	ton.	7.00 -	—
Riverton, Va.	ton.	7.00 -	—
San Francisco, Cal.	ton.	13.00 -	—
Scioto, Ohio	ton.	6.50 -	—
Springfield, Mo.	ton.	7.00 -	—
Woodville, Ohio.	ton.	7.00 -	—
York, Pa.	ton.	7.00 -	—
hydrated, paper bags, f.o.b. Bellefonte, Pa.	ton.	8.50 -	—
Berkley, W. Va.	ton.	8.50 -	—
Buffalo, N. Y.	ton.	10.00 -	—
Carey, Ohio	ton.	8.50 -	—
Cedar Hollow, Pa.	ton.	8.50 -	—
Crab Orchard, Tenn.	ton.	9.00 -	—
Eagle Mountain, Va.	ton.	9.00 -	—
Farnams, Mass.	ton.	8.50 -	—
Gibsonburg, Ohio	ton.	8.50 -	—
Hannibal, Mo.	ton.	8.50 -	—
Keystone, Ala.	ton.	9.00 -	—
Knoxville, Tenn.	ton.	9.00 -	—
Le Roy, Minn.	ton.	10.00 -	—
Lime Crest, N. J.	ton.	8.50 -	—
Limedale, Ark.	ton.	9.00 -	—
Longview, Ala.	ton.	9.00 -	—
Louisville, Ky.	ton.	14.50 -	—
Manistique, Mich.	ton.	9.00 -	—
Marblehead, Ohio.	ton.	9.50 -	—
Martinsburg, W. Va.	ton.	8.50 -	—
Mitchell, Ind.	ton.	9.00 -	—
Newala, Ala.	ton.	9.00 -	—
Potoskey, Mich.	ton.	9.00 -	—
Port Island, Mich.	ton.	9.00 -	—
Rapid City, S. D.	ton.	12.00 -	—
Ripplemead, Va.	ton.	9.00 -	—
San Francisco, Cal.	ton.	16.00 -	—
Springfield, Mo.	ton.	9.00 -	—
Woodville, Ohio.	ton.	8.50 -	—
York, Pa.	ton.	8.50 -	—
spray, paper bags, f.o.b. Bellefonte, Pa.	ton.	9.00 -	—
Carey, Ohio	ton.	11.00 -	—
Farnams, Mass.	ton.	9.50 -	—
Gibsonburg, Ohio.	ton.	11.00 -	—
Lime Crest, N. J.	ton.	8.50 -	—
Marblehead, Ohio.	ton.	11.00 -	—
Scioto, Ohio	ton.	10.00 -	—
Woodville, Ohio.	ton.	11.00 -	—
York, Pa.	ton.	9.00 -	—
Lime salts (see Calcium).			
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex.	lb.	.07½ -	.08½
dms., same basis	lb.	.10½ -	—
400 lbs., or more, bgs., same basis	lb.	.07¾ -	.08¾
dms., same basis	lb.	.11 -	—
less than 400 lbs., same basis,	lb.	.08½ -	.09¼
dms., same basis	lb.	.12 -	—
solution, zone 1, dms., consumers.	gal.	.16 -	—
Zone 2, tanks, dealers, wks.,	gal.	.08½ -	—
30-50 dms	gal.	.11 -	.15
Zone 3, tanks, dealers, dlvd.	gal.	.11½ -	—
30-50 dms	gal.	.14 -	.18

Lime-sulphur, solut., Zone 4, tanks, dealers, wks.....gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .08½- —
50-60 dms.....gal. .11 - .15

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penn. eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.50 - 2.75
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.30.00 -31.00
Meal, 34%, bgs.....ton.37.00 - —
Litharge, com'l, powd., bbls., 20-tons dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0735- —
dlvd., other points....lb. .0710- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Colo., Mont., N. Mex., Wyo..lb. .07½- —
other points.....lb. .07¼- —
smaller lots, dlvd., Ala., etc. lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
other points.....lb. .07¾- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb., bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, dom., high-strength, bgs., c.l. (20 tons)..lb. .05 - .05½
smaller lots.....lb. .05¼- .05½
bbls., c.l. (20 tons).....lb. .05¼- .05½
smaller lots.....lb. .05½- .05¾
ordinary, bgs., c.l. (20 tons) lb. .0360- —
smaller lots.....lb. .03¾- —
bbls., c.l. (20 tons).....lb. .03¾- —
smaller lots.....lb. .04 - —
titanated, bgs., c.l. (20 tons) lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .40 - .45
Lobelia, herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .55 - .60
import, bls.....lb. .45 - .60
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 3.50 - 3.75

M

Mace, Banda, cs.....lb. .58 - .60
Batavia, cs.....lb. .32 - .34
Siauw, cs.....lb. .48 - .49
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bulk, works..lb. .26 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
1, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, zone 1, bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del. and Md. C.l., shipments, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts. frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b., Plymouth Meeting House. Zone 2, balance of U. S.; prices f.o.b., Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhy., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns 100 lbs. lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.62.00 -66.00
Import, bgs., duty paid...ton.70.00 -75.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots...lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .50
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .11 - .12
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bgs., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works...ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works...ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single dms., works.....lb. .08¼- .08½
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd., South..ton.48.75 - —
l.c.l., bgs.....ton.60.00 -70.00
Mangrove bark, bgs., shipt...ton.35.00 - —
Manna flake, large cs.....lb. .58 - .60
small, cs.....lb. .40 - .42
Mannitol, com'l grade, 99% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works.....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .28 - .29
Tunisan, bls.....lb. .27 Nom.
Chilean, bls.....lb. .21 - .22
Matico leaves, bls.....lb. .30 - .32
Menthol, USP, natural, cs.....lb. 3.65 - 3.75
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.24 - —
25 lbs.....lb. 1.26 - —
50%, pails, 50 lbs.....lb. 1.79 - —
25 lbs.....lb. 1.81 - —

Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 2.62 - 2.64
flb., dms., 100 lbs.....lb. 2.49 - —
jars, 25 lbs.....lb. 2.51 - —
Chloride (see Calomel).
Iodide, red, N.F., bots., 5 lbs., lb. 4.41 - 4.45
cns., 25 lbs.....lb. 4.30 - 4.35
flb., dms., 100 lbs.....lb. 4.30 - 4.35
yellow, bots., 5 lbs.....lb. 4.51 - 4.55
cns., 25 lbs.....lb. 4.40 - —
flb., dms., 100 lbs.....lb. 4.40 - —
Nitrate ointment (see Citrine ointment).
Oxide, red., N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.26 - —
USP, flb., dms., 50 lbs. or more..lb. 2.78 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.72 - —
flb., dms., 25 lbs.....lb. 1.60 1.65
Mesityl oxide, cns., works.....lb. .20½- .23½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5¼x5¼ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
23K, 3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅝x5⅛ in.....pkg.22.50 -23.00
3⅞x5⅛ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - —
Methanol, natural, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .32 - —
95%, tanks.....gal. .31 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums, car lots.

synth., pure, dms., c.l., Zone 1, frt. alld..gal. .35 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld...gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss R..lb. .11. - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Methyl, acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, dms., c.l..gal. .41 - .47
l.c.l. .....gal. .44 - .63
tanks .....gal. .35 - .39

Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .38 - —
2, frt. alld. E. of Rockies, gal. .41 - —
3, Pacific Coast.....gal. .42 - —
4 .....gal. .44 - —
l.c.l., Zone 1, frt. alld. E. of Rockies..gal. .41 - —
2, frt. alld. E. of Rockies..gal. .475 - —
3, Pacific Coast.....gal. .45 - —
4 .....gal. .905 - —
tanks, Zone 1, frt. alld., E. of Rockies..gal. .315 - —
2, frt. alld. E. of Rockies, gal. .34 - —
3, Pacific Coast.....gal. .35 - —
4 .....gal. .355 - —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast; Zone 4, Ariz., Col., Mont., Nev., Idaho, Ore., Utah, Wash., N. Mex.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .39 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .38 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .26 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works...lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medci., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .06½- —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l..lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.66.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works....lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex-Whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex-whse., or frt. alld. E..lb. .04¾- —

Lime-Sulphur—Nitrogen Sol.

Mica, wet-ground, rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex-whse, or frt. alld. E..lb. .04¾- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .03¾- .04¼
early fortune, bgs.....lb. .03 - .03½
hulled, bgs.....lb. .06¼- .06¾
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b., No. Atlantic ports..gal. .05½- .06
f.o.b. New Orleans.....gal. .04½- .06
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., works, lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.55 - 1.60
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caudies, 20 ozs....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.80 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .60 - .65
Mustard seed, California, brown, bgs..lb. .09 - .09¼
Danish, yellow, bgs.....lb. .11½- .12
Dutch, yellow, bgs.....lb. .10¾- .11¼
English, yellow, bgs.....lb. No stocks.
Roumanian, yellow, bgs....lb. .11 - .11½
Myrobalan, J1, bgs., f.a.s.....ton.33.50 - —
J2, bgs., f.a.s.....ton.27.50 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bgs., bbls., l.c.l., works, 100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works .....100 lbs. 2.75 Nom.
import, bgs., c.l.f.....100 lbs. 2.90 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works .....lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06 - —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb., tins.....lb. .66½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .06 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls...lb. .26 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works....lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158 - —

Nitrogenous Fert.—Oil, Lubric.

Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd.....unit-ton. 2.25 - —
f.o.b. Chemical, Ill., unit-ton. 2.25 - —
East Coast producing points..unit-ton. 2.90 - —
Import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.85 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nutgalls, Aleppo, bgs., cs.....lb. .29 - .30
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .23 - .23½
110s, bgs., cs.....lb. .20½- .21
West Indian, bgs.....lb. .13¼- .13½
Nux vomica, bls.....lb. .06½- .07
pwd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., wks..lb. .03½- —
l.c.l., bbls., wks.....lb. .03⅝- —
tanks .....lb. .02⅝- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3 .....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.10
s.p.a., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns.....lb. 1.00 - 1.25
Amber, crude, cns.....lb. .19 - .20
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .73 - .78
Apricot, kernels, cns.....lb. .35 - .40
Babassu, tanks.....lb. .06⅝- —
Bay, W. I., 50-55% phenols, cns—lb. 1.20 - 1.25
55-60% phenols, cns.....lb. 1.30 - 1.35
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 4.00 - 4.25
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .26
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .61 - .62
USP IX, cns.....lb. .71 - .72
Calamus, cns.....lb. 8.00 - 8.25
Camphor, sassafrassy, cns...lb. .35 Nom.
dms. .....lb. .33 Nom.
white, cns.....lb. .52 Nom.
dms. .....lb. .50 Nom.
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.10 - 2.15
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 3.00 - 3.25
Cardamom, bots.....lb.15.00 -16.00
Cassia, USP, cns., dms.....lb. 1.20 - 1.25
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l. .....lb. .15½- —
medicinal, bbls., c.l.....lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal.), l.c.l.....lb. .17 - —
dms. (returnable), c.l.....lb. .12½ Nom.
l.c.l. .....lb. .13¾- —
(5-gal), l.c.l.....lb. .15 - —
tanks .....lb. .12½ Nom.
No. 3, bbls., c.l.....lb. .12¾ Nom.
l.c.l. .....lb. .13½- —
dms. (returnable), c.l.....lb. .12½ Nom.
l.c.l. .....lb. .13¼- —
tanks .....lb. .12 Nom.
dehydrated, dms., c.l.....lb. .16 Nom.
l.c.l. .....lb. .16½- .18
tanks .....lb. .15½ Nom.

Castor oil, med. and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

sulphonated, 50% (43% fat), dms., c.l..lb. .07½ Nom.
l.c.l. .....lb. .08½ Nom.
75% (63% fat), dms., c.l..lb. .10¾ Nom.
80% (68 %fat), dms., c.l..lb. .11¼ Nom.
l.c.l. .....lb. .12¼ Nom.
Cedarleaf, cs.....lb. .95 - 1.00
dms .....lb. .90 - .95
Cedarwood, Oregon, cns., dms. .....lb. .28 - .30
Southern, cns., dms.....lb. .20 - .21
Celery, bots.....lb. 7.25 - 7.50
Chaulmoogra, USP, cns., 500 lbs. .....lb. 1.00 - —
25 lbs. .....lb. 1.25 - —
Chinawood, dms.....lb. .27 - .28½
tanks .....lb. .26 - .27½
Cinnamon, Ceylon, bots.....lb. 9.25 -25.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .48 - .49
dms. .....lb. .46 - .47
Java, cns., dms.....lb. .44 - .46
Clove, makers, USP, cns.....lb. 1.38 - 1.43
dms. .....lb. 1.33 - —
Coconut, Manila, crude, tanks, lb. .03⅝- —
edible, 76°, tax incl., dms. (returnable), c.l..lb. .08⅝- —
l.c.l. .....lb. .09⅝- —
tanks .....lb. .07⅞- —
Cod, Newfoundland, shipt., un-tanked..gal. .72 Nom.
Norwegian, shipt., bbls..gal. .60 - .68
Codliver, med., USP, bbls..bbl.32.00 -35.00
Coriander, bots.....lb.12.50 -13.00
Corn, crude, tanks, wks.....lb. .06½- .06¼
refd., bbls.....lb. .08⅝- .08¾
Cottonseed, cooking, bbls.....lb. .08⅝- —
salad, bbls.....lb. .09¼- —
Import, Brazilian, semi-refd., bulk..lb. .03½ Nom.
Creosote (see C).
Croton, N.F., cns.....lb. 3.50 - 3.75
Cubeb, USP, cns.....lb. 3.75 - 3.80
Crude (see Petroleum, crude).
Cumin, bots.....lb. 7.50 - 8.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns. .....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.60 - 3.85
Dip (see L).
Erigeron, cns.....lb. 2.25 - 2.30
Eucalyptus, cns.....lb. .61 - .63
dms. .....lb. .59 - .61
Fennel, sweet, cns.....lb. 2.25 - 2.50
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .90 - .95
Louisiana, Arkansas, 10-14.bbl. .85 - 1.00

Oil, fuel, N. Y. and N. J. terminals:—
Monday .....bbl. 1.15 - 1.50
Tuesday .....bbl. 1.15 - 1.50
Wednesday .....bbl. 1.15 - 1.50
Thursday .....bbl. 1.15 - 1.50
Friday .....bbl. 1.15 - 1.50
Saturday .....bbl. 1.15 - 1.50
North Texas, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.00 - 1.05
Oklahoma, 18-22.....bbl. .80 - .95
24-28, zero cold test.....bbl. 1.00 - 1.05
24-28, 15 and above.....bbl. .80 - .85
Pennsylvania, 3640.....gal. .04 - .04½
Furnace, Bayonne, 1, bulk, refinery..gal. .05½- —
2, bulk, same basis.....gal. .05 - .0525
4, bulk, same basis.....gal. .0445-.0455
Louisiana - Arkansas, 32 - 36, light straw..gal. .03½- .03½
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03⅝- .03½
36-38 .....gal. .03¾- .03¾
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04 - —
Gulf Coast, bulk.....gal. .03½- —
North Texas, bulk.....gal. .02⅞- —
Oklahoma, bulk.....gal. .03½- —
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 2.75 - 3.10
Bourbon, cns.....lb. 2.75 - 3.10
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.75 - 1.80
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 5.00 - 5.50
Guaiac wood, concrete, bots..lb. 2.50 - 2.55
Haarlem, import, bots....gross. 5.00 - 5.50
Hemlock, cns.....lb. 1.00 - 1.25
Juniper berry, USP, cns.....lb. 1.85 - 2.00
Wood, tech.. cns.....lb. .45 - —
Oil, juniper tar, USP XI, 1,000 lbs., dms..lb. .53 - .58
cns. .....lb. .55 - .60
Lard, common, 1, bbls.....lb. .09 - —
2, bbls.....lb. .08¾- —
extra, bbls.....lb. .09½- —
1, bbls.....lb. .09¼- —
Winter, strained, extra, bbls., lb. .09¾- —
prime, burning, bbls.....lb. .10¼- —
prime, ined., bbls.....lb. .10 - —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 2.15 - 2.20
Lavender flower, French 50% ester, cns..lb. 5.25 - 5.30
38-42% ester, cns.....lb. 4.00 - 4.05
35-38% ester, cns.....lb. 2.75 - 2.80
30-32% ester, cns.....lb. 2.50 - 2.60
garden, cns.....lb. .42 - .45
spike, Spanish, tech, cns...lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Lemon, Calif., cns.....lb. 3.00 - —
Messina, coppers, cns.....lb. 3.20 - 4.00
Terpeneless, Type 1.....lb.10.75 -16.50
Type 2.....lb. 8.50 -14.50
Lemongrass, native, cns., dms., lb. .85 - .90
Lime, dist., West Indian, cns. lb. 4.15 - 4.25
expressed, cns.....lb. 7.25 - 7.50
Terpeneless, Type 1.....lb.42.00 -46.50
Type 2.....lb.60.00 -78.00
Linaloe wood, cns.....lb. 1.50 - 1.60
Linseed, raw, bbls., c.l.....lb. .1080- .1110
l.c.l., 10 to 69.....lb. .1100- .1130
5 to 9.....lb. .1140- .1170
less than 5.....lb. .1160- .1190
tanks .....lb. .1020- .1050
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb.41.25 -.60.00
Oil, lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.....gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis. dms..gal. .30 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .26 - —
15-25 pour, tanks..gal. .23 - —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .27 - —
15-25 pour, tanks..gal. .26 - —
150-160 E, color 6½, 15-25 pour, tanks..gal. .26 - —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .26 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .18 - —
180 vis., 5 color, tanks, gal. .14½- —
4 color, tanks.....gal. .14 - —
200 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
250 vis., 3 color, tanks, gal. .16 - —
4 color, tanks....gal. .15½- —
280 vis., 3 color, tanks, gal. .17 - —
4 color, tanks....gal. .16½- —

15-25 pour prices are ½c. per gallon higher than zero to 10° pour.

OUTSELLS
ALL OTHER BRANDS COMBINED
3 TO 1

Exchange
OIL OF LEMON
U·S·P·

Sold to the American Market Exclusively by

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.

•

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

ADVERTISEMENT—*This entire page is a paid advertisement.* *Prepared Monthly by U. S. Industrial Chemicals, Inc.*

USI SOLVENT NEWS USI

Reg. U. S. Pat. Off.

January ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1940

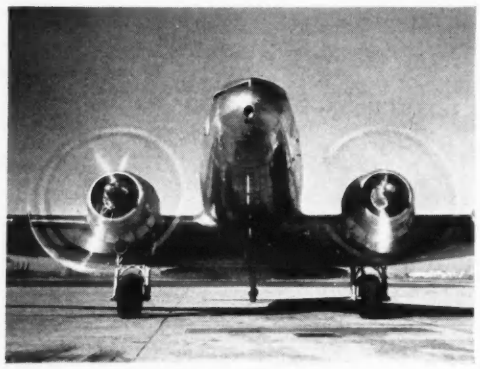
Solox Widely Used For Plane Propeller Anti-Icing Fluids

Mixed With Glycerine to Avert Dangerous Flight Conditions

Rapid growth of airplane transportation is expected to result in an increased demand for Solox, U.S.I.'s alcohol-type solvent, which is reported to find extensive use in propeller anti-icing mixtures.

All planes operating in commercial transport service are equipped with a device for supplying a de-icing mixture to a slinger ring at the propeller hub. From this point the mixture is further spread over the propeller surface by centrifugal force, preventing ice formations on the propeller which might result in dangerous flight conditions.

A suitable mixture for the purpose is said to consist of 85 parts of Solox and 15 parts of C. P. Glycerine. The average plane carries 10 gallons of de-icing solution on regular flights —more than enough for a trip from New York to Chicago under ordinary conditions.



WINTER FLYING. A mixture of Solox and glycerine, supplied to airplane propellers, aids in preventing ice formations.

Finds Way of Making Foam For Extinguishing Fires

FRANKFORT-ON-THE-MAIN, Germany—A new process of producing fire-extinguishing foam is revealed in a U.S. patent granted jointly to inventors here and at Bad Soden.

The foam, it is claimed, is prepared from a gas, a large quantity of water, and a relatively small amount of a concentrated aqueous solution of an organic foam-forming agent. In addition, the solution contains a hydrophilic organic solvent, such as alcohol, glycol, or ethyl acetate, which, the inventors say, facilitates the dissolving of the foaming agent in the water.

Alcohol and Ethyl Acetate are U.S.I. Products.

Alcohol Proves Helpful In Bleaching of Wood

BUFFALO, N. Y.—That alcohol can be used to facilitate the bleaching of wood has been revealed in a patent granted to an inventor here.

The alcohol, according to the patent, is used in connection with a peroxide and an alkali. The alcohol is allowed to evaporate from the wood, and thus increases the concentration of the bleaching agent.

Treatment With Curbay X Aids Efficiency of Coal Combustion

U.S.I. Product Valuable Medium Promoting Quick Ignition and Free Burning; Overcomes Caking and Air Slaking

Curbay X powder, specialty product manufactured exclusively by U.S.I., has definitely established its value as a medium for treating coal to increase the efficiency of combustion, Mr. F. A. Schleindl, coal conditioning specialist, told SOLVENT NEWS.

"Coal should be considered a raw material and not a finished product. In order to attain its maximum usefulness, it must be processed like any other raw material to suit the specific job it is to do. In this processing, Curbay X has proved itself a valuable and versatile assisting medium.

Here is U.S.I.'s new 1-gallon Solox can, designed for easy storing and quick sales in retail outlets. Its attractive colors make it particularly adaptable to display purposes, and rectangular shape helps save valuable shelf space. The can is provided with a convenient carrying handle, and is equipped with a closure of the popular "U-Press-It" type.

"This conclusion was reached after extensive laboratory research over several years here and abroad, followed by large-scale commercial applications on every type of hand- and stoker-fired equipment, involving hundreds of thousands of tons of coal from practically every mining field.

Many Advantages Indicated

"From this broad experience with Curbay X for coal conditioning, the following advantages in attaining fuel economy are noted:

"1. It reduces caking, with its concomitant disadvantage of high stack losses, caused by the excess air needed for combustion.

"2. It minimizes air-slaking.

"3. Substandard or low grade coals with inferior burning characteristics can often, through Curbay X treatment, be brought up to standard performance with obvious money savings.

"4. It reduces soot deposits and smoke.

"5. Curbay X under proper formulation with certain additions, serves to raise or depress the fusion point of the ash, as desired, resulting in a neutral ash and clinkers easy to remove.

"6. It aids in preventing spontaneous combustion.

Wide Usefulness Foreseen

"A particularly striking feature of Curbay X is the readiness with which it can be adapted to the processing of different types of coal. It is, of course, a recognized fact that

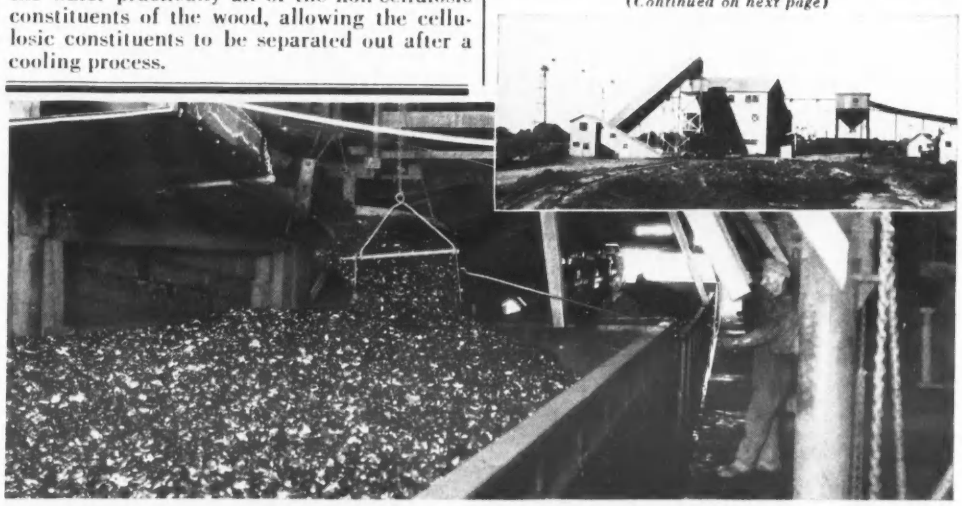
(Continued on next page)

Higher Alcohols Used to Extract Pure Cellulose

ST. PAUL, Minn.—How alcohol can be used to obtain relatively pure cellulose from wood is revealed in a patent granted to an inventor here.

Process is reported to consist in treating the wood with a water solution of a monohydroxy alcohol. The alcohol, it is said, should have at least four carbon atoms, and at least three of them in a straight chain; should be substantially insoluble in water at normal temperatures, but soluble at temperatures between 100° and 200° C. In addition to the alcohol, an inorganic alkali is used in amounts ranging from 2 to 10%.

The process, it is said, serves to dissolve in the water practically all of the non-cellulosic constituents of the wood, allowing the cellulosic constituents to be separated out after a cooling process.



Curbay X, reported to have shown excellent results in coal conditioning. Desirable point of application is the chute between breaker and gondolas, as shown in large photograph. Insert shows plant of Pittsburg and Midway Coal Mining Co., where treatment with Curbay X is a feature of coal processing.

ADVERTISEMENT—*This entire page is a paid advertisement.*

January ★ # SOLVENT NEWS ★ 1940

Soybean Oil Paints Show Up Well in Exposure Tests

WASHINGTON, D. C.—Paints and varnishes made with soybean oil compare satisfactorily with those made from tung, perilla, and linseed oils when subjected to exposure tests, it is indicated by reports received at the Department of Agriculture here from the Government soybean laboratory at Urbana, Ill.

While it is recognized that the soybean paints harden and dry a little more slowly than other types, the tests indicated that this factor did not have a harmful effect on the durability of the paint, it is said.

White exterior paints made from commonly used pigments with soybean oil appeared to be in good condition after two years' exposure on outside fences, it is stated. Cheaper varnishes made with soybean oil are believed to offer interesting possibilities.

Discusses Production And Uses of Industrial Alcohol

BALTIMORE, Md.—L. A. Helfrich, Production Manager of U.S.I.'s plant here, delivered an address on Production and Uses of Industrial Alcohol before the Baltimore branch of the American Pharmaceutical Association on Thursday, December 14, in the School of Pharmacy Building, University of Maryland.

Curbay X Conditions Coal

(Continued from previous page)

coals vary widely in their chemical composition, and processing for fuel economy must take into account both the chemical composition of the coal and the nature of the application. By varying the proportions of Curbay X and using it either alone or in combination with other materials, it is possible to condition a wide variety of coals for specific applications.

Action Considered Catalytic

"Mixed with water, and with or without other chemical additions, Curbay X is applied to the coal in the form of a spray. Only a trifling amount per ton is needed with corresponding low cost.

"The action of Curbay X in increasing the efficiency of fuel combustion is both mechanical and catalytic. That the action is catalytic rather than chemical is indicated by the relatively small amount of Curbay X required in the conditioning process. In fact, this application of Curbay X may be regarded as an extension of catalytic chemistry into the coal combustion field.

"It is the custom to buy coal on a B.T.U. basis, rather than on a basis of *recoverable* heat—the factor in which the user should be primarily interested. Coal conditioning, properly applied, may serve to bring about a reconsideration of such purchasing policy. Curbay X is not, of course, to be regarded as a panacea for all coal troubles and its use should be recommended only after a study of specific conditions."

U.S.I. invites both producers and users of coal who wish further information from Mr. Schleindl on coal conditioning with Curbay X to write to SOLVENT NEWS.

Prints Artificial Films And Foils with New Ink

LONDON, England—A printing ink said to be suitable for artificial foils, films, and similar products is described in a U. S. patent issued to an inventor here.

The ink is reported to consist of a pigment, an organic derivative of cellulose, such as cellulose acetate, and a plasticizer, used in a proportion at least five times as great as the total weight of the plasticizable material, suitably with the use of carbon black, iron oxide, benzyl alcohol, acetone, benzene, and alcohol.

Acetone and Alcohol are U.S.I. products.

U.S.I.'s Fairfield Plant Wins Safety Merit Award

Mr. F. C. Hettinger, Superintendent of U.S.I.'s Fairfield Plant, recently received, as representative of the plant employees, a certificate of merit awarded by the company's insurance carrier for the non-accident record established by the plant.

The record was established during the period from January 19 to August 6. During this time the plant operated for a total of 364,315 man-hours without a disabling injury.

Packs Food with Solid CO_2

NEW YORK, N. Y.—A package that is said to preserve the flavor of foodstuffs, such as coffee, sauerkraut, etc., has been patented by an inventor here. Package is made with an inner container, in which is inserted a pellet of solid carbon dioxide ("Dry-Ice"*). Outer container, says the inventor, is capable of supporting the walls of the inner flexible container when pressure is exerted by the vaporization of the pellet.

*Manufactured and supplied by Pure Carbonic, Incorporated, an associated Company of U.S.I.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new industrial finish is said to have exceptional low-temperature speed baking characteristics. Curing temperatures are reported to be the lowest ever obtained for a speed-baking finish with similar properties of adhesion, flexibility, color retention, and toughness. The manufacturer claims that it can be used in conventional ovens. **(No. 290)**

U S I

A latex preservative is said to be non-volatile at ordinary temperatures, odorless, effective, and permanent. According to the manufacturer, it is toxic to algae, bacteria, protozoa, fungi, and other micro-organisms, while it is no more harmful to human beings than many other chemicals in common use. **(No. 291)**

U S I

A soap anti-oxidant is reported to be effective in minute quantities in restraining the oxidation and resulting rancidity, discoloration, and other adverse qualities of soap. It is said to be equally effective in soaps produced from animal or vegetable oils, filled or unfilled. **(No. 292)**

U S I

A protective coating is said to be suitable for wood or metal exposed to liquid acids or caustics. The manufacturer recommends it for lining tanks containing the usual commercial acids or caustics, or for protecting machinery from the spillage of these products. **(No. 293)**

U S I

A pH tester is described as a handy means of making approximate pH measurements. It is said to be a device for holding and dispensing pH paper in convenient form. According to the manufacturer, any desired length of paper can be drawn from the container, while at the same time the paper is protected from contamination by the atmosphere. **(No. 294)**

U S I

An adhesive cement has been released for sale on a restricted basis, it has been announced. According to the maker, the cement permits making strong, chemically-resistant joints between rubber and metals, and is useful in joining many other materials, such as woods, ceramics, and many synthetic resins. **(No. 295)**

U S I

A new mixer is said to be suitable for mixing viscous materials without incorporating air. The mixer is further reported to be silent and free from vibration. **(No. 296)**

U S I

White chromium plating is reported to be possible with a new chemical for converting ordinary chromium solutions into white chromium solutions. The process is said to produce a plate free from bluish tints, and to effect savings in plating time. **(No. 297)**

U S I

An aluminum finish is said to produce a soft patina resembling that of tarnished silver. It is baked on, and is reported to show excellent adhesion and high resistance to mechanical abrasion. **(No. 298)**

U S I

A pulley covering comes in the form of a plastic coating material which can be applied to a flat pulley after cleaning with benzol or carbon tetrachloride, it is reported. **(No. 299)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N. Y. U.S.I. BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO.

ALCOHOLS
Amyl Alcohol
Butyl Alcohol
Fusel Oil—Refined
Methanol

Ethyl Alcohol
Anhydrous
Absolute
C. P. 96%
Pure (190 proof)
Specially Denatured
Completely Denatured
U. S. I. (Denatured Alcohol Anti-freeze)
*Super Pyro Anti-freeze
*Solox Proprietary Solvent

***ANSOLS**
Ansol M
Ansol PR

ESTERS, ACETATES
Acetic Ether
Amyl Acetate
Butyl Acetate
Ethyl Acetate

ESTERS, ETHYL
*Diatol
Diethyl Carbonate
Diethyl Oxalate
Ethyl Chlorocarbonate
Ethyl Formate
Ethyl Lactate

*Registered Trade Mark

ESTERS, PHTHALATES
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
Dimethyl Phthalate

OTHER ESTERS
Amyl Propionate
Butyl Propionate
Dibutyl Oxalate

INTERMEDIATES
Acetoacetanilid
Acetoacet-o-chloranilid
Acetoacet-o-toluidid
Ethyl Acetoacetate
Sodium Ethyl Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone, C.P.
Butyl-mesityl-oxide-oxalate
Cellulose Acetate
Collodions
*Curbay Binders
*Curbay X (Dried Curbay)
*Derex
Ethylene
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
*Vacatone

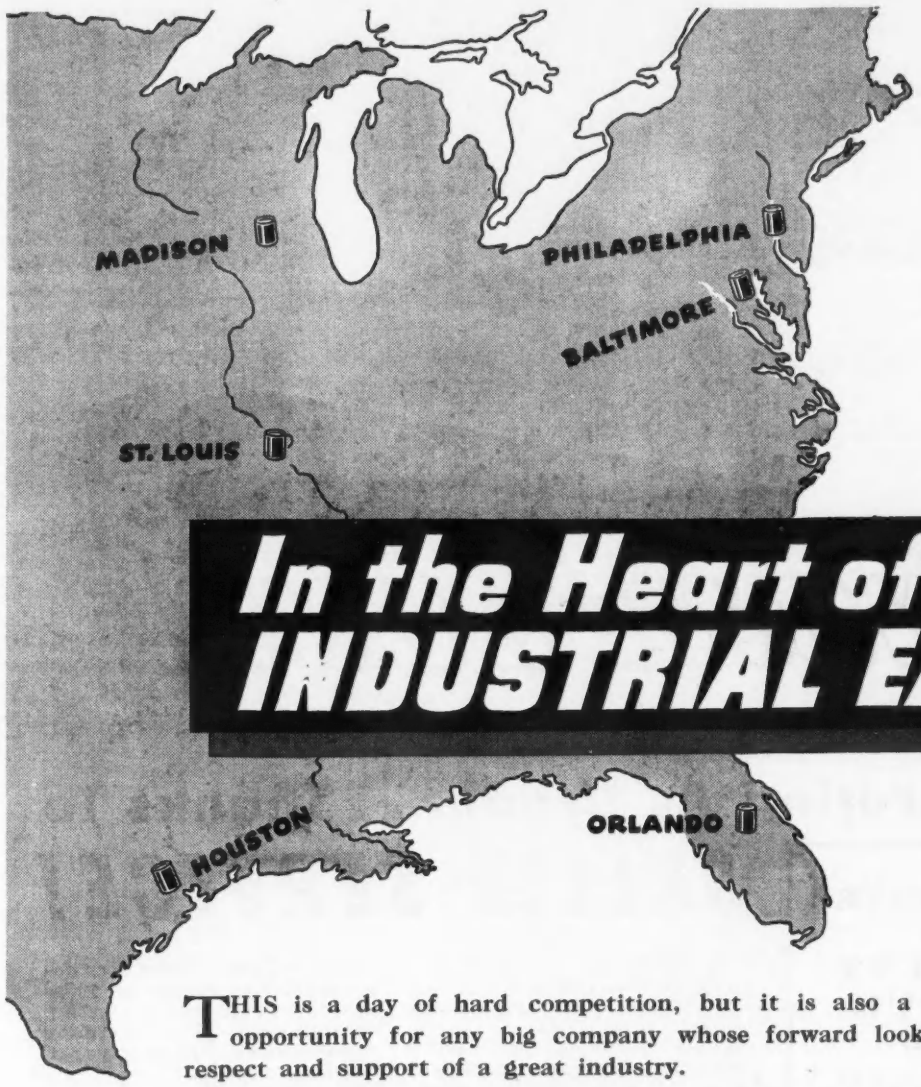
Oil, lubricating, at refinery,			
Penn., bright, 600, 10-15			
pour, tanks..gal.	.29	-	.34
25 pour, tanks..gal.	.27	-	.32
cylinder, 600 fire, tanks, gal.	.18	-	—
600 flash, tanks.....gal.	.23	-	—
630 flash, tanks.....gal.	.25	-	—
635 fire, tanks.....gal.	.21	-	—
650 fire, tanks.....gal.	.22	-	—
Warren, E, amber, tanks, gal.	.25	-	—
Penna, Warren, E, neutral,			
150 vis., 3 color, tanks.gal.	.27	-	.31
180 vis., 3 color, tanks.gal.	.30	-	.33
200 vis., 2 color, tanks.gal.	.31	-	.37
spot, Penna., bright, bbls., c.l., f.a.s..gal.	.30	-	—
unfiltered, 600 s.r....bbls., f.a.s..gal.	.23½	-	—
600 flash, s.r., bbls., c.l. gal.	.25½	-	—
630 flash, bbls., c.l., f.a.s., gal.	.29½	-	—
Warren, E., bbls., c.l., f.a.s., gal.	.28	-	—
smaller lots, f.o.b..gal.	.29	-	—
Mace, dist., cns., dms.....lb.	1.90	-	1.95
Mandarin, superior, coppers..lb.	6.25	-	6.30
Menhaden, crude, tanks, f.o.b. Balto..gal.	.36	Nom.	
refd., alkali, dms.....lb.	.0790-		—
tanks .....lb.	.0730-		—
refd., blown, dms.....lb.	.0810-		—
kettle-boiled, dms.....yb.	.0910-		—
light-pressed, dms.....lb.	.0730-		—
tanks .....lb.	.0670-		—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, cns....lb.	1.60	-	1.70
dist., natural, bots.....lb.	8.50	-	9.00
Neatsfoot, 20° cold test, bbls., lb.	.19¼	-	—
extra, bbls.....lb.	.09½	-	—
1, bbls.....lb.	.09¼	-	—
pure, bbls.....lb.	.14¾	-	—
prime, bbls.....lb.	.09¾	-	—
sulphonated, common, 25% moisture, dms..lb.	.10¼	-	—
Neroli, bots.....lb.	100.00	-150.00	
Nutmeg, USP, cns., dms....lb.	1.90	-	1.95
Oiticica, dms.....lb.	.20	-	.21
Oleo, 1, bbls.....lb.	.07¾	-	—
2, bbls.....lb.	.07⅝	-	—
Olibanum, bots.....lb.	5.00	-	5.25
Olive, denat., bbls.....gal.	1.00	-	—
edible, bbls.....gal.	2.00	-	2.10
foots, dms.....lb.	.08¼	-	.08¾
sulphonated, 50% (43% fat). dms., c.l..lb.	.11½	Nom.	
l.c.l.....lb.	.12½	Nom.	
75% (63% fat), dms., c.l..lb.	.13½	Nom.	
l.c.l.....lb.	.14½	Nom.	
80% (68% fat), dms., c.l..lb.	.14½	Nom.	
l.c.l.....lb.	.15½	Nom.	
Orange, sweet, dist., cs.....lb.	.90	-	—
Expressed, African, cns., dms., lb.	1.10	-	1.15
Calif., cns.....lb.	1.50	-	—
Florida, cns.....lb.	1.20	-	1.25
Messina, USP, coppers.lb.	3.00	-	3.75
West Indies, cns.....lb.	2.45	-	2.50
terpeneless .....lb.	68.00	-69.00	
Origanum, cns.....lb.	1.10	-	1.65
Orris, Florentine, concrete, extra strong, bots..oz.	5.50	-	6.00
Palm, Niger, cks.....lb.	.05	-	—
shipment .....lb.	No prices		
softs, 12½%, bulk, shipt....lb.	No prices		
20%, bulk, shipt.....lb.	No prices		
Sumatra, shipt., bulk.....lb.	No prices		
Palmarosa, cns.....lb.	2.75	-	3.00
Palmkernel, bulk, shipt.....lb.	No prices		
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal.	.05¼	-	—
350° flash, 70-80 vis., tanks, G. 3..gal.	.05½	-	—
80-85 vis., bbls., extra, Ind. refy..gal.	.12	-	—
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal.	.14	-	—
360° flash, 100-110 vis., tanks, G. 3..gal.	.05¾	-	—
Patchouli, bots., cns.....lb.	4.50	-	5.00
Peanut, crude, dom., tanks..lb.	.06¾	-	.07
refd., edible, bbls.....lb.	.09½	-	.09¾
Pennyroyal, dom., cns.....lb.	3.00	-	3.10
import, cns.....lb.	2.75	-	2.80
Peppermint, natural, cns., dms. lb.	2.75	-	3.00
redist., USP, cns., dms....lb.	3.00	-	3.25
Perilla, dms.....lb.	.17	-	.17½
tanks .....lb.	.16¼	-	.16⅝
Petitgrain, Paraguay, cns...lb.	1.15	-	1.20
Pimento berry, cns.....lb.	4.35	-	7.25
leaf, cns.....lb.	3.00	-	3.25
Pine, dest.-dist., straw-color, dms., dlvd., E. ports....gal.	.53	-	.56
steam-dist., dms.....gal.	.59	-	—
tanks .....gal.	.54	-	—
Pineneedle, Siberian, cns....lb.	1.20	-	1.25
Putty, bbls., E. Segundo, Richmond, Cal..gal.	.22½	-	—
contracts .....gal.	.19½	-	—
Whiting, Ind.....gal.	.28	-	—
dms., c.l., Bost., Provid..gal.	.25	-	—
l.c.l., same basis.....gal.	.27	-	—
tanks, same basis.....gal.	.18	-	—
Martinez, Cal.....gal.	.28	-	—
Rapeseed, blown, bbls.....lb.	.17	-	.17½
denat., bbls.....gal.	1.00	-	1.05
Red, dist. or saponif., dms., dlvd..lb.	.08½	-	.09½
tanks, dlvd.....lb.	.08	-	—
Rose, artif., bots.....oz.	2.00	-	2.25
natural, coppers.....oz.	5.25	-22.50	
Rosemary, Spanish, cns.....lb.	.75	-	.80
dms.....lb.	.70	-	.75
Rosin, 1st rectfd., dms.....gal.	.50	-	—
2d rectfd., dms.....gal.	.52	-	—
3d rectfd., dms.....gal.	.56	-	—
Rue, bots.....lb.	3.00	-	3.25
Sage, cns.....lb.	2.75	-	3.00
Sandalwood, E. I., USP, cns.lb.	5.25	-	5.50
Mysore, cns., case lots.....lb.	No prices.		
Sardine, crude, tanks, Pac. Cst. gal.	.37	Nom.	
refd., alkali, dms.....lb.	.0790-		—
tanks .....lb.	.0730-		—
kettle-boiled, dms.....lb.	.0910-		—
light-pressed, dms.....lb.	.0730-		—
tanks .....lb.	.0670-		—
Sassafras, artif., cns.....lb.	.77	Nom.	
dms.....lb.	.75	Nom.	
natural, cns., dms.....lb.	1.20	-	1.25
Savin, cns.....lb.	3.15	-	3.20
Savory, cns.....lb.	2.00	-	2.25
Sesame, refd., import, dms..lb.	.12	Nom.	
Shingle stain, bbls., c.l., wks., gal.	.19	-	—
l.c.l., works .....gal.	.20	-	—
tanks, works .....gal.	.14	-	—
Snakeroot, Canada, cns.....lb.	9.50	-10.00	
Soybean, dom., crude, dms...lb.	.06⅝	-	.07½
tanks .....lb.	.06	-	—
refd., dms.....lb.	.08	-	.08½
tanks .....lb.	.07¼	-	—
Soybean, dom., refd., dms....lb.	.08¼	-	.09
Sperm, bleach, 38° dms.....lb.	.1030-		—
45°, dms.....lb.	.0960-		—
natural, dms.....lb.	.0910-		—
Spruce, cns., dms. .....lb.	1.00	-	1.25
Sweet, birch, North, cns.....lb.	2.25	-	2.65
South, cns. .....lb.	1.45	-	1.50
Tall, crude, dms., c.l., works, ton.	35.00	-	—
l.c.l., works.....ton.	40.00	-55.00	
tanks, works .....ton.	25.00	-	—

Oil, Tall, refined, dms., c.l., works. lb.	.04	-	.05½
l.c.l., works.....lb.	.04½	-	.06¼
tanks, works.....lb.	.03½	-	.05
Tallow, acidless, bbls.....lb.	.08⅜	-	—
tanks .....lb.	.08⅝	-	—
Tansy, cns .....lb.	6.00	-	6.25
Tar, pine, cm'l, dms., c.l., dlvd. E. cities..gal.	.26	-	—
E. ports .....gal.	.25	-	—
l.c.l. .....gal.	.26	-	—
tanks, dlvd. E. cities....gal.	.20	-	—
Tar, pine, rectfd., USP, bbls., dlvd., E. ports..gal.	.58	-	—
Tar acid (see T).			
Teaseed, crude, dms.....lb.	.12½	Nom.	
refined, dms.....lb.	.14	Nom.	
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms.....lb.	1.35	-	1.40
white, dms.....lb.	1.75	-	1.80
Tung (see Oil, chinawood).			
Ti tree, cns.....lb.	2.30	-	2.80
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.....gal.	7.50	Nom.	
Valerian, bots.....lb.	8.00	-	9.00
Vetiver, bots.....lb.	3.35	-13.00	
Walnut, crude, dms.....lb.	.15	Nom.	
refd., dms.....lb.	.16	Nom.	
Whale, refd., natural, dms..lb.	.0910-		—
winter, bleach, dms.....lb.	.0950-		—
Wheat germ, cns., dms....gal.	17.50	-25.00	
White, mineral, dom., dms., tech., 50-60 vis., dms.gal.	.33	-	.34
65-75 vis., dms.....gal.	.40	-	.46
80-90 vis., dms.....gal.	.41	-	.47
USP, 80-90 vis., dms....gal.	.44½	-	.50
95-105 vis., dms.....gal.	.57	-	.58
125-135 vis., dms.....gal.	.64½	-	.65½
140-150 vis., dms.....gal.	.67	-	.69
175-185 vis., dms.....gal.	.72½	-	.73½
200-210 vis., dms.....gal.	.74½	-	.75½

Oil, white mineral, dom., USP, 320-330 vis., dms..gal.	.78	-	.81
335-345 vis., dms.....gal.	.81	-	.82
Russian, 80-90 vis., dms.gal.	.58	Nom.	
145-155 vis., dms.....gal.	.76½	Nom.	
175-185 vis., dms.....gal.	.80½	Nom.	
335-345 vis., dms.....gal.	.89	Nom.	
Wintergreen, natural, North, cns..lb.	4.00	-	5.00
South, cns.....lb.	3.05	-	3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.....lb.	3.35	-	3.40
Wormwood, cns.....lb.	5.35	-	5.50
Ylang-ylang, Bourb., bots., cns. lb.	5.75	-	6.50
Manila, bots.....lb.	18.00	-24.00	
Olivine, aggregate, c.l., mines, ton.	7.00	-11.00	
Lumps, same basis.....ton.	7.00	-	—
Spalls, same basis.....ton.	5.00	-	—
ground, 325 mesh, c.l., mines, ton.	20.00	-	—
200 mesh, c.l., mines....ton.	17.00	-	—
100 mesh, c.l., mines....ton.	16.00	-	—
20 mesh to dust.....ton.	12.00	-	—
Opium, USP, cns.....lb.	11.50	-12.50	
gran., cns.....lb.	12.50	-13.50	
powd., cns.....lb.	12.50	-13.50	
Orange Lake, Persian, bbls.....lb.	.30	-	.45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., Ia., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb.	.11	-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash....lb.	11¼	-	—

Oil, Lubric.—Orthonitroanilin

Orange, mineral, Amer., bbls., 5 tons, dlvd. Colo., Mont., M.M., Wyo..lb.	.11¼	-	—
Other points.....lb.	.10¾	-	—
smaller lots, dlvd., Ala., etc..lb.	.11¼	-	—
Ariz., etc. .....lb.	.12	-	—
Colo., Mont., N. M., Wyo..lb.	.11¾	-	—
Other points .....lb.	.11¼	-	—
Mineral, French, Tours, casks, ex dock..lb.	.13½	-	—
kgs., ex dock.....lb.	.14½	-	—
Molybdate, bbls.....lb.	.31	-	—
Toner, bbls.....lb.	.80	-	—
Orangeflower petals, cs.....lb.	.50	-	.65
Orange peel, bitter, bls.....lb.	.09	-	.10
sweet, bls.....lb.	.17	-	.19
Orris root, Florentine, bgs.....lb.	.11	-	.14
fingers, cs.....lb.	1.25	-	1.30
powd., bbls., bxs.....lb.	.15	-	.16
Verona, bls.....lb.	.11	-	.14
powd., bxs., cs.....lb.	.15	-	.16
Orthoanisidin, bbls. .....lb.	.76	-	—
Orthochloroanilin, dms.....lb.	.60	-	.75
Orthochlorophenol, dms.....lb.	.83	-	—
Orthocresol, dms., c.l., works.lb.	.16	-	—
l.c.l., same basis.....lb.	.16½	-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb.	.06	-	—
l.c.l., same basis.....lb.	.07	-	—
100-lb. tins, same basis.lb.	.08	-	—
50-lb. tins, same basis..lb.	.09	-	—
tanks, same basis.....lb.	.05½	-	—
Orthodichlorobenzene prices west of Rockies 1c per lb higher.			
Orthonitroanilin, dms. .....lb.	.55	-	—



In the Heart of the INDUSTRIAL EAST

THIS is a day of hard competition, but it is also a day of unparalleled opportunity for any big company whose forward looking policies win the respect and support of a great industry.

More and more it is being realized that modern needs demand modern facilities and equipment.

More and more the industry is recognizing that these modern needs are being superlatively met in Crown's great new plant in Philadelphia — and at strategic points for the convenience of the industry.

CROWN CAN COMPANY, PHILADELPHIA, PA.
Division of Crown Cork and Seal Co.
BALTIMORE ST. LOUIS HOUSTON MADISON ORLANDO

CROWN CAN

Ortho.—Pet. Naphtha

Orthonitrochlorobenzene, dms.	lb.	.13	- .18
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.09	- —
Orthophenetidin, dms.	lb.	.80	- —
Orthotoluidin, dms.	lb.	.19	- —
Osage orange extract, cryst., bbls.,	lb.	.21	- —
liquid, 42°, bbls.	lb.	.09	- —
61°, bbls.	lb.	.16	- —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.60	- —
bots., cns., 1-50 lbs.	lb.	3.65	- 4.00
Orthotoluene hydrochloride, dms.	lb.	.22	- —
Sulphonate, kgs.	lb.	2.00	- 2.04

P

Papain, powd., cs.	lb.	1.50	- 1.60
Paprika, Hungarian, extra fancy, bgs.	lb.	.33	- .34
medium, bgs.	lb.	.29½	- .30
Portuguese, extra fancy, bgs.	lb.	.31½	- .32
fancy, bgs.	lb.	.30½	- .31
Spanish, extra fancy, cs.	lb.	.36	- .37
Parachlorophenol, dms.	lb.	.32	- —
Paracymene, refd., dms.	gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11	- .12
l.c.l.	lb.	.12½	- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.06½	- .06¾
bbls., c.l., N.Y.	lb.	.07	Nom.
Paraffin, crude, scale, white, 124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.06¾	- .06⅞
bbls., c.l., N.Y.	lb.	.07	Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.07	Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.8660	—
loose, c.l.	lb.	.0625	—
125-127 A.m.p., bgs., c.l.	lb.	.0675	—
loose, c.l.	lb.	.0640	—
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0680	—
131-133 A.m.p., bgs. or loose, c.l.	lb.	.0705	—
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0730	—
136-137 A.m.p., bgs., or loose, c.l.	lb.	.0755	—
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0830	—
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0925	—
151-153 A.m.p., bgs., or loose, c.l.	lb.	.70	Nom.

Refined paraffin prices in cases are 1½c. lb higher than bags price; solid in tankcars is .06c. lower.

match, A.m.p. up to and incl. 110-112 bbls. c.l.	lb.	.06¼	Nom.
semirfd., solid., 122-124 A.m.p., bgs.	lb.	.06½	Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.34	- —
100 to 900 lbs. shipments, same basis	lb.	.35	- —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., c.l., works.	lb.	.10	- —
l.c.l., works	lb.	.11½	- —
5 and 10-gal. dms., works	lb.	.15	- —
USP, cs., cbys.	lb.	.37	- .45
Paranisidine, dms.	lb.	.75	- —
Paranitroanilin, kgs., works	lb.	.47	- —
Paranitrochlorobenzene, kgs.	lb.	.15	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paranitrotoluene, kgs.	lb.	.30	- —
Paraphenylenediamine, bbls.	lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls.	lb.	.48	- —
Pareira brava root, bls.	lb.	.21	- .22
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23	- .25
less car lot, same basis	lb.	.24	- .26
Passion flower, herb, bls.	lb.	.07	- .08
Patchouli leaves, bls.	lb.	.28	- .30
Pellitory root, bls.	lb.	.28	- .29
Pennyroyal leaves, bls.	lb.	.15	- .16
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½	- —
tanks, G.3.	gal.	.08½	- —
l.c.l., G.3.	gal.	.16	- —
laboratory grade, dms., c.l., G.3.	gal.	.14	- —
l.c.l., G.3.	gal.	.25	- —
Pepper, black, Aleppey, bgs.	lb.	.08¼	- .08⅝
Lampong, bgs.	lb.	.0440	- .0460
Tellicherry, bgs.	lb.	.08¼	- .08⅝
Red, chillies, Japan, Hontaka.	lb.	.22½	- .23
Mombassa, bgs.	lb.	.40	- .41
White, Java, Muntok, bgs.	lb.	.07½	- .08
Saigon, bgs.	lb.	.07½	- .08
Peppermint leaves, dom., bls.	lb.	.35	- .36
import, bls.	lb.	.45	- .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1	lb.	.08	- —
l.c.l., same basis	lb.	.08½	- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½	- —
l.c.l., same basis	lb.	.09	- —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09	- —
l.c.l., same basis	lb.	.09½	- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09	- —
l.c.l., same basis	lb.	.09½	- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal., S. F., Cal., Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb., Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha, S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	1.10	- 1.15
Petrolatum, amber, dms., c.l.	lb.	.04	- —
l.c.l.	lb.	.05	- —
amber, extra, dms.	lb.	.04½	- —
l.c.l.	lb.	.05½	- —
veterinary, dms., c.l.	lb.	.03¾	- —
white, cream, dms., c.l.	lb.	.06	- —
l.c.l.	lb.	.07½	- —
lily, dms., c.l.	lb.	.07	- —
l.c.l.	lb.	.08½	- —
snow, dms., c.l.	lb.	.08	- —
l.c.l.	lb.	.09½	- —

Petroleum, crude, bulk, at wells:—			
California	bbl.	.63	- 1.75
Canada	bbl.	2.10	- 2.17
Central West:—			
Illinois	bbl.	.53	- 1.00
Lima	bbl.	.90	- —
Michigan	bbl.	.82	- 1.02
Princeton	bbl.	1.05	- —
East Texas	bbl.	1.10	- —
Gulf Coast	bbl.	.74	- 1.41
Kentucky, Tennessee	bbl.	1.02	- 1.10
Louisiana, Arkansas	bbl.	.73	- 1.30
Mexico	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.51	- 1.10
Oklahoma-Kansas	bbl.	.58	- 1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford-Allegany	bbl.	2.75	- —
Corning	bbl.	1.17	- —
Pennsylvania grade, in Buckeye lines.	bbl.	1.70	- —
Eureka lines	bbl.	2.34	- —
N. Y. Transit lines,	bbl.	2.75	- —
S. W. Penn lines	bbl.	2.40	- —
lower district in National Transit lines.	bbl.	2.63	- 2.75
Rocky Mountain	bbl.	.51¼	- 1.30
South Central and Southwestern Texas.	bbl.	.73	- 1.27
Texas Panhandle	bbl.	.67	- .96
West Texas	bbl.	.53	- .95

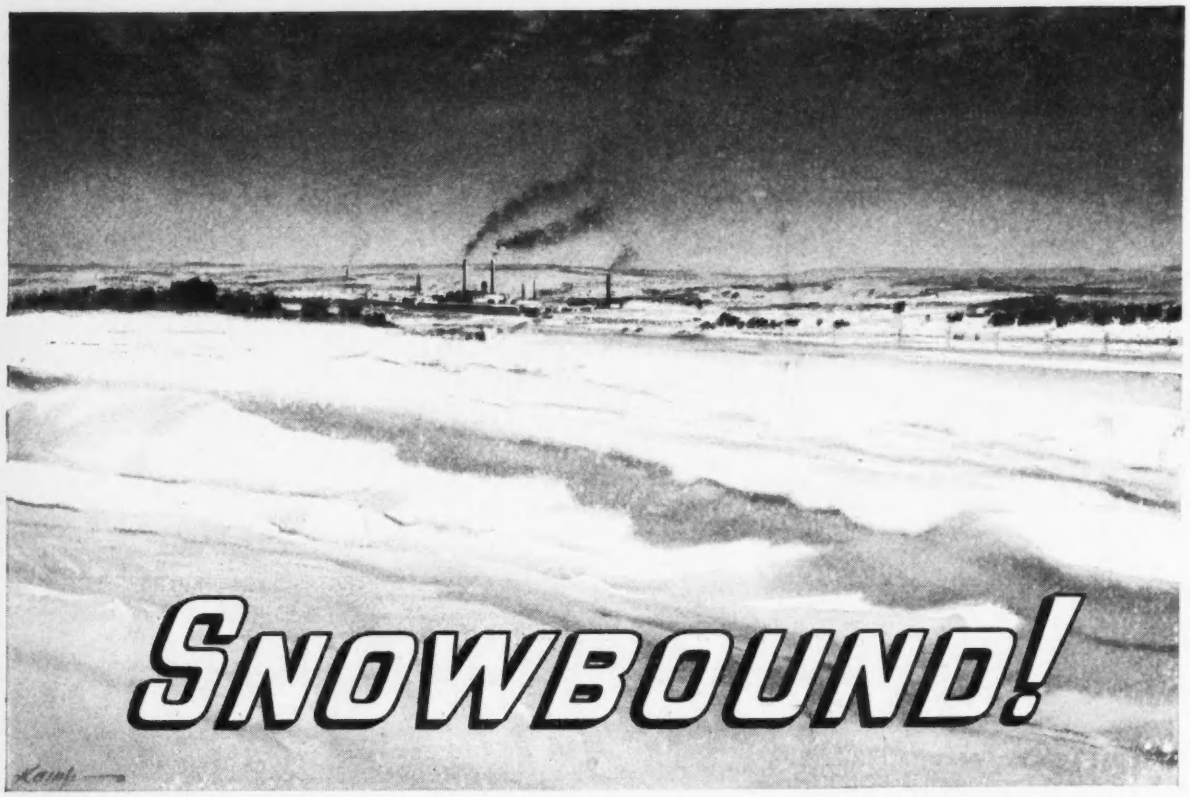
Ether, 30-60° dms., c.l., G.3,	gal.	.14½	- —
l.c.l., G.3.	gal.	.25½	- —
tanks, G.3.	gal.	.13½	- —
35-60°, dms., l.c.l., G.3.	gal.	.30½	- —
40-75°, dms., c.l., G.3.	gal.	.14½	- —
l.c.l., G.3.	gal.	.25½	- —
tanks, G.3.	gal.	.13½	- —
laboratory grade, dms., c.l., G.3.	gal.	.14½	- —
c.l., G.3.	gal.	.25½	- —
10-gal. lots, G.3.	gal.	.50½	- —

lacquer, diluent, at refinery:—			
California, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles.	gal.	.11	- —
San Francisco.	gal.	.11½	- —
f.o.b. Richmond.	gal.	.11	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
East Coast, tanks.	gal.	.09½	- .10
Group 3, tanks.	gal.	.07½	- .08

Naphtha, cleaners', at refinery:—			
East Coast, tanks.	gal.	.09	- .10¼
Group 3, tanks.	gal.	.06¾	- .07
tankwagon, Boston, ex tax.	gal.	.13¼	- —
Bridgeport	gal.	.18½	- —
Chicago, inc. 4c. tax.	gal.	.18	- —
Decatur, inc. 4c. tax.	gal.	.1910	- —
Des Moines, inc. 4c. tax,	gal.	.1890	- —
Evansville, inc. ex tax.	gal.	.15	- .16
Milwaukee, inc. 5c. tax,	gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½	- —
Newark, ex tax.	gal.	.10½	- —
New York, ex tax.	gal.	.10½	- —
Omaha, ex tax.	gal.	.1490	- .1590
Oklahoma City, ex tax.	gal.	.16½	- —
Philadelphia, ex tax.	gal.	.12	- —
St. Louis, inc. 1c. tax.	gal.	.15½	- —
Syracuse, 150 gals.	gal.	.14½	- —
smaller lots, galv. drums,	gal.	.10	- —
milk cans.	gal.	.21	- —

high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.18	- —
2, over 90% arom., same basis.	gal.	.19	- —
3, same basis.	gal.	.20	- —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.15½	- —
30, same basis.	gal.	.16½	- —
40, same basis.	gal.	.16½	- —
TS-28, f.o.b. N. Y. harbor.	gal.	.12½	- —

v.m.&p., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11	- —
Richmond.	gal.	.11½	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10	- —
San Francisco.	gal.	.10½	- —
Portland, Seattle.	gal.	.11	- —
East Coast, tanks.	gal.	.09½	- —
Group 3, tanks.	gal.	.06¾	- .07
tankwagon, Boston, ex tax,	gal.	.14½	- —
Chicago, inc. 4c. tax.	gal.	.17	- —
Des Moines, inc. 4c. tax.	gal.	.1890	- —
Decatur, inc. 4c. tax.	gal.	.1910	- —
Evansville, Ind., ex tax,	gal.	.1520	- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	- —
Newark, ex tax.	gal.	.11½	- —
New York, ex tax.	gal.	.10½	- —
Omaha, ex tax.	gal.	.1490	- .1590
Philadelphia, ex tax.	gal.	.13	- —
St. Louis, inc. 1c. tax.	gal.	.1570	- —



But Operating As Usual . . . Thanks To SKELLY SERVICE!

SKELLYSOLVE *in the* OIL, PAINT *and* DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for every laboratory and industrial use. We furnish a complete line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved of great value. Write or wire for full information today.

A USER of solvents in a northern city was once forced to shut down because heavy snowstorms made it impossible to get tank cars switched into the plant. Each winter since then had been overshadowed by the dread possibility of a repetition of this costly experience.

Then Skelly entered the picture, and the problem was solved. Each fall we place an emergency stock of Skellysolve in our bulk plant located in that city. In case of a severe storm crippling railroads and interfering with switching, there is a reserve supply of solvent in our bulk plant ready for quick local delivery to keep the customer's plant in operation, a constant protection against costly shutdown.

Of course, snowstorms may not be your problem. But undoubtedly there are times when *dependability of supply* is just as important to you as it is to the firm indicated above. Skelly has many *different* ways of assuring you of this *dependability*.

The quality of the product is important, too, of course! But it's in going *beyond* this point that Skelly has built its reputation. No service has proved itself until it has demonstrated its ability to *function in emergencies!* Solving intricate technical problems for users, sending out trained "trouble shooters" when unforeseen difficulties develop . . . that's how Skellysolve has given meaning to the familiar phrase: "Dependable Skelly Service!"

So . . . no matter what type of solvent you are now using, take the time to investigate Skellysolve!

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.

A. Ernest MacGee, *Manager*

WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Petroleum, solvent, rubber, at refinery, East Coast, tanks. gal. .09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .06⅞- .07
standard, 180 i.b.p., 288 e.p., tanks..gal. .06⅞- .07
Stoddard (CS 3-33), at refinery:—
East Coast, tanks.....gal. .08⅝- .09⅛
Group 3, tanks.....gal. .06⅝- .06⅛
tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax...gal. .11 - —
New York, ex tax.....gal. .09½- —
Omaha .....gal. .1360- .14½
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Thinners, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, 6,000 gal. tanks or transport trucks, f.o.b. Los Angeles..gal. .15 - —
Portland, Ore.....gal. .16 - —
Richmond .....gal. .14½- —
Seattle, Wash.....gal. .16½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore..gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —

Petroleum, thinners, at refinery, tanks, 280 i.b.p., 300 e.p., f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .08¾- .09⅛
47-49, tanks.....gal. .10½- —
New Jersey, tanks.....gal. .09 - —
Group 3, tanks.....gal. .05⅞- .06
tankwagon, tax included:—
Albany .....gal. .13½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .15½- —
Camden, N. J.....gal. .10 - .11⅛
Chicago .....gal. .1670 - —
Decatur .....gal. .1810 - —
Des Moines.....gal. .1790 - —
Evansville, Ind.....gal. .1420 - .1520
Milwaukee .....gal. .1930 - —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals.)..gal. .09½- —
Omaha .....gal. .1360- .1460
Philadelphia .....gal. .12½- —
Pittsburgh .....gal. .11½- .13⅛
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .13 - —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —

Phenol, USP, dms., c.l., works, frt. equald..lb. .13 - —
l.c.l., same basis.....lb. .13⅝- —
under 1,000 lbs.....lb. .14⅛- —
tanks, works.....lb. .12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Phenolyphthalein, yellow, fib. dms., 2,000-lb lots..lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms. .....lb. .87 - —
50-lb. kgs. .....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.45 - 2.50
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine, base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.30 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 13.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.85 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
land pebble, 70% min., bulk, mines..long ton. 2.15 - —
hard, land pebble, 72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —

Pet. Solvent—Pot.-Mag. Sulp.

Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss R...lb. .14¼- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .15 - .16
Pilocarpine hydrochloride, bots., vis..oz. 4.00 - 4.25
Nitrate, bots., vis.....oz. 3.90 - 4.15
Pimento, bgs.....lb. .15⅝- .16
Pinkroot, bls.....lb. .36 - .37
vis..oz. 4.00 - 4.25
Pitch, Burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd., E. of Miss..lb. 4.50 - 4.70
Poke root, bls. .....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. 1.00 - 1.15
Seed, Dutch, bgs.....lb. .14 - .14½
Hungarian, bgs.....lb. .14 .14½
Potash abietate.....lb. .68 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
Potash, acetate, USP, kgs., kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
gran., bbls., 250 lbs.....lb. .15 - —
kgs., 100 lbs.....lb. .17 - —
Bichromate, spot, c.l., works, lb. .08⅜- —
6 casks or 10 bbls., or over, works..lb. .09 - —
3 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .13½- —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07⅛
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .13
gran., kgs.....lb. .12 - .14½
powd., kgs.....lb. .10 - .12½
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
crs., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb lots...lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys, or cns. lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns... 100 lbs. .30½- .32
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.31 - 3.35
cns., 25 lbs.....lb. 3.20 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots., or cns.....lb. 1.44 - 1.70
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, c.i.f. ports..ton. 14.50 - —
bgs. .....ton. 16.50 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports..unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. ton. 17.55 - —
bgs. .....ton. 19.55 - —
Metabisulphite, kgs.....lb. .18 - .20
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton. .53½- —
Import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports...ton. 26.75 - —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. 55.00 Nom.
Perchlorate, kgs., works.....lb. .09 - .10½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .38 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs..lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., ship., c.i.f. ports..ton. 40.00 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton. 24.75 - —

THERE are two ways to judge the contents of an egg. One is to find out *after* you buy it. The second is to know its goodness *before* you buy it.

Almost anyone will agree that the second policy is the wisest..whether it be buying eggs or naphthas. Unfortunately, many naphtha buyers are not able to follow this policy because they are not equipped to make exhaustive and thorough tests before buying.

To aid these buyers, Shell maintains a staff of Naphtha Technicians who devote all their time to the study of naphthas. Each Technician is a graduate chemical engineer, thoroughly experienced in the use and characteristics of naphthas.

To solve any present problems, or to prevent trouble from occurring, ask your nearest Shell Office to have one of these Technicians call on you. It may save you considerable money and it costs you nothing.

SHELL NAPHTHAS

Pot. Titan., Ox.—Soda Caustic

Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms..lb. .45 - —
Prickly ash bark, bls..lb. .15 - .16
Berries, bgs..lb. .30 - .35
Prince's pine herb, bls..lb. .15 - .17
Propane, tanks, Group 3..gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls..lb. .25 - .28
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works..lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. .04½- —
less than 3, works..lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex dock, N. Y..ton.39.00 Nom.
l.c.l., 5-29 tons, ex whse., ton.44.00 Nom.
1,000-10,000 lbs., ex whse..ton.46.00 Nom.
2 bgs., to 1,000 lbs., ex whse, ton.48.00 Nom.
single bgs., ex whse.ton.60.00 Nom.
Pumpkin seed, bgs..lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms..100 lbs. 6.00 - —
linseed oil, raw, dms..100 lbs. 4.50 - —
refined, dms..100 lbs. 5.00 - —
standard, dms..100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
(80 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal.10.65 -11.00
Pyrethrum flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms..gal. 1.71 - —
refd., 2°, dms..lb. .51 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh., c.l., mines..ton. 9.00 - —
325 mesh, same basis..ton.12.00 - —
No. 3, 200 mesh, c.l. mines.ton. 7.50 - —
325 mesh, same basis..ton.10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works..lb. .10 - —
China white, ivory, cs., works, lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works..lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works..lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works..lb. .20 - —
colors, cs., works..lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works..lb. .15 - —

Q

Quassia chips, bls..lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works..lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs..lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms..lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd. N.Y..flasks.157.00 -165.00
European, flasks (76 lbs. net), in bond..asks.150.00 - —
Quince seed, bgs..lb. .85 - 1.10
Quinidine, cryst., small, cns..oz. 1.01 - —
large, cns..oz. 1.03 - —
powd., precip., cns..oz. .96 - —
Sulphate, cns..oz. .69 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns..oz. .80 - —
Acetate, cns..oz. 1.02 - —
Arsenate, cns..oz. .95 - —
Arsenite, cns..oz. 1.04 - —
Bisulphate, cns..oz. .58 - —
Citrate, cns..oz. .75 - —
Dihydrobromide, bots..oz. .78 - —
Dihydrochloride, bots..oz. .79 - —
Ethylcarbonate, cns..oz. .80 - —
Ferrocyanide, cns..oz. 1.04 - —
Formate, cns..oz. .97 - —
Glycerophosphate, cns..oz. 1.17 - —
Hydrochloride, cns..oz. .72 - —
Hydrochlorosulphate, cns..oz. .79 - —
Hydroiodide, cns..oz. 1.02 - —
Hypophosphite, cns..oz. 1.03 - —
Phosphate, cns..oz. .86 - —
Salicylate, cns..oz. .76 - —
Sulphate, USP, X, cns..oz. .57 - —
USP, XI, cns..oz. .64 - —
Sulphocarbolate, cns..oz. 1.03 - —
Tannate, cns..oz. .60 - —
Tartrate, cns..oz. 1.00 - —
Valerate, cns..oz. .96 - —
Quinine buyers must pay a surcharge of 4c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R, salt, dry, bbls..lb. .55 - —
paste, dms..lb. .52 - —
Rapeseed, Belgian, bgs..lb. .07½- .08
Dutch, black, bgs..lb. .08 - .08¼
red, bgs..lb. .08½- .09
Japanese, bgs..lb. .06¾- .07
Raspberries, dried, bls..lb. .65 - .70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis.lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis. lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis. lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis. lb. .90 - —
kgs., ton lots, same basis. lb. .90 - —
smaller lots, same basis. lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works..lb. 2.25 - —
orange, bbls., 100-lb lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs. lb. 5.00 - —
dms., 500-lb. lots..lb. 4.85 - —
100-lb. lots..lb. 4.95 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls..lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y.. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.10 - —
open order..lb. 1.15 - —
Lithol toner, bbls., same basis, alizarin, lake, contrs..lb. .55 - —
open order..lb. .60 - —
Rose lake, bbls..lb. .20 - .23
Pink, bbls..lb. .15 - .20
Lithol-rubine toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.41 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works. lb. .08½- —
l.c.l., works..lb. .09½- —
shell, dom., cs., works..lb. .12 - —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs., same basis alizarin lake, contracts..lb. .70 - —
open order..lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .04¾- —
ex whse., Chicago, St. Louis..lb. .05¼- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs..lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs..lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .50 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .03¾- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.20 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works..lb. .0220- —
10%, bbls., works..lb. .0245- —
15%, bbls., works..lb. .0265- —
20%, bbls., works..lb. .02¾- —
25%, bbls., works..lb. .03 - —
30%, bbls., works..lb. .03¼- —
35%, bbls., works..lb. .0360- —
40%, bbls., works..lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots..lb. 2.46 - 2.55
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more...lb. 2.66 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works.....lb. 1.50 - 1.55
Rhatany root, bgs..lb. .12 - .14
Rhodinol, bots..lb. 5.55 -10.90
Rhubarb, bots..lb. .55 - .60
powd., bbls., kgs..lb. .60 - .65
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .20¾- —
smaller lots..lb. .21¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .19¾- —
smaller lots..lb. .20¼- —
Rose flowers, pale, bls..lb. .55 - .60
red, bls..lb. 3.50 - 3.55
Rosemary, flowers, bls..lb. .45 - .50
leaves, bls..lb. .07 - .12
Rosin, gum, bbls., ex dock, 280 lbs. 5.30 - —
D, bbls..280 lbs. 5.40 - —
E, bbls..280 lbs. 6.10 - —
F, bbls..280 lbs. 6.15 - —
G, bbls..280 lbs. 6.40 - —
H, bbls..280 lbs. 6.55 - —
I, bbls..280 lbs. 6.70 - —
K, bbls..280 lbs. 6.70 - —
M, bbls..280 lbs. 6.80 - —
N, bbls..280 lbs. 6.80 - —
W. G., bbls..280 lbs. 6.90 - —
W. W., bbls..280 lbs. 7.45 - —
X, bbls..280 lbs. 7.45 - —
Rosin, wood, bbls..280 lbs. 4.60 - 6.25
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 Nom.
l.c.l., f.o.b. mines..ton.37.50 Nom.
import, lump, bbls..lb. .14 Nom.
powd., bbls..lb. .08½- .10
Rue, bls..lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs..lb. 1.45 - —
cns., 25 lbs..lb. 1.48 - 1.50
Safflower, bls..lb. .35 - .40
Saffron, Mexican, bls..lb. .35 - .40
Spanish, tins..lb.37.00 -38.00
Sage, Dalmatian, stemless..lb. .09¼- .09¾
garden, bls..lb. .10¼- .10¾
Safrol, cns..lb. .72 - .77
dms..lb. .70 - .75
Sago flour, bgs..lb. .04 Nom.
Salicin, bots., 5 lbs..lb. 7.04 - —
cns., 25 lbs..lb. 7.00 - —
Salol, gran., bbls., 200 lbs..lb. .90 - —
bxs., 25 lbs..lb. .93 - —
kgs., 100 lbs..lb. .90 - —
powd., fib. dms., 25 lbs..lb. 1.03 - —
kgs., 100 lbs..lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.13.20 -13.80
l.c.l., bgs., dlvd., N. Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.15.30 - —
l.c.l., dlvd., N. Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works. ton.24.00 Nom.
bulk, works..ton.17.00 Nom.
import, bulk, c.i.f.....ton.18.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons..100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons..100 lbs. 6.65 - —
less than ton lots...100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons..100 lbs. 7.65 - —
less than ton lots...100 lbs. 7.90 - —
Santonin, cryst., cns.....kilo.130.00 -182.00
Saponin, crude, cns..lb. 1.45 - —
purified, bots., 5 lbs..lb. 1.65 - —
cns., 25 lbs..lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .40 - .41
Mexican, bls..lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls..lb. .20 - .21
Savory, bbls..lb. .15 - .16
Saw palmetto berries, bgs.....lb. .06 - .09
Scammony root, bgs..lb. .07 - .09
resin, lump, cns..lb. .85 - —
powd., bxs..lb. .90 - —
Schaeffer's salt, bgs..lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .16½- —
smaller lots..lb. .16¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .16¾- —
smaller lots..lb. .17½- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lb. cases..lb. 1.75 - —
Senega root, bls..lb. .80 - .85
Senna leaves, Alexandria, half leaf, bls..lb. .15 - .16
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls..lb. .10 - .11
3 bls..lb. .08¼- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls..lb. .09 - .10
Serpentaria root, bls.....lb. .78 - .80
Shellac, bleached, bonedry, bbls., f.o.b., N. Y..lb. .25 - .26
dlvd. Boston..lb. .25½- .26¼
Chicago..lb. .25¾- .26¾
Pacific Coast..lb. .28 - .29
refd., bbls., f.o.b., N.Y....lb. .31 - .32
dlvd. Boston..lb. .31½- .32½
Chicago..lb. .31¾- .32¾
Pacific Coast..lb. .34 - .35
Garnet, bgs..lb. .19 - .20
Orange, D.C., VSO., Diamond I, cases..lb. .32 - .33
Superfine, bgs., f.o.b. Bost., N. Y..lb. .20 - .21
dlvd., Chicago..lb. .20½- .22½
Pacific Coast..lb. .23 - .24
T.N., bgs., f.o.b. Bost., N. Y., lb. .19 - .20
dlvd., Chicago..lb. .19½- .20½
Pacific Coast..lb. .22 - .23
Varnish, Metro., aren., orange, 5-lb. cut., bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls..gal. 1.00 - 1.05
4-lb. cut, bbls..gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls..gal. 1.10 - 1.15
4-lb. cut, bbls..lb. 1.05 - 1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs. c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works.ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
99-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
96-98%, 325 mesh, bgs., l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works.ton.23.00 - —
90%, 325 mesh bgs., c.l., works..ton.22.00 - —
bgs., l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works.....ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. 26¾- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Protelnate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra bark, bls.....lb. .33 - .45
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .12 - .14
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .23 - .27
crushed, bls., bbls.....lb. .27 - .31
cut, bls., bbls.....lb. .35 Nom.
powd., bbls.....lb. .32 - .33
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works, lb. .71 - .95
Antimoniate, bbls.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers, works..lb. .09 - .11
l.c.l., dms., works.....lb. .09¼- .11½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., cl., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.12 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.25 - —
3.....100 lbs. 2.45 - —
4.....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.06 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia.; Texas, E. of 100° Meridian and S. of 31° parallel; La., Miss., Ala., South of 31° parallel and Fla., in Me., N.H. and Vt. special local zone prices apply for ship't to various counties. Zone 2, Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa, (except Davenport), Ga., Minn., Mo. (except St. Louis) N. and S.C., and Tenn. Zone 3, Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso) N. and S.D., Okla., Ark., W. of 93° Meridian. Zone 4, El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N.M., Utah and Wyo.
Benzoate, tech., bbls., 4,000 lbs., or more..lb. .30 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more...lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l.....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l.....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works.lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- 12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
55 degs., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
solut., 44 deg., bbls., works, 100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bbls., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda sal)
Caustic, flake, 76%, powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2.....100 lbs. 3.70 - 5.05
3.....100 lbs. 3.95 - 5.30
4.....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.20 - —
l.c.l. same zone prices as ammonia process.
liquid, 47-49% buyers' tanks, works..100 lbs.1.92½- —
seller's tanks, works, 100 lbs. 1.95 - —

Soda, caustic, liquid, 70%, buyer's tanks, works..100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works. 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP, VIII, gran., bbls., 225-lb. lots..lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 46% gold, bots., works..oz. 15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100-lb. lots..lb. .20½- .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .07 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd.100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks., frt. equal'd..100 lbs. 2.50 - —
bbls., same basis....100 lbs. 2.70 - —
pea bags, c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works. lb. 3.10 - 3.25
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs 3.60 - 3.85
less than 500 lbs., bgs., wks. 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.30 - —
bots.....lb. 2.41 - 2.47
Mandelate, bots., 5 lbs.....lb. 3.80 - —
fib. dms., 100-lb. lots.....lb. 3.05 - —
smaller lots.....lb. 3.15 - 3.20
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, gran., bbls., c.l., works..lb. 2.35 - —
10 bbls. and over, dlvd., N. Y. lb. 3.10 - —
1-9 bbls., dlvd., N. Y.....lb. 3.35 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200-lb. bgs., same basis.ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., wks., frt. equalized..lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼

Soda nitrite l.c.l. price range represents delivery at various points.

Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single, bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14

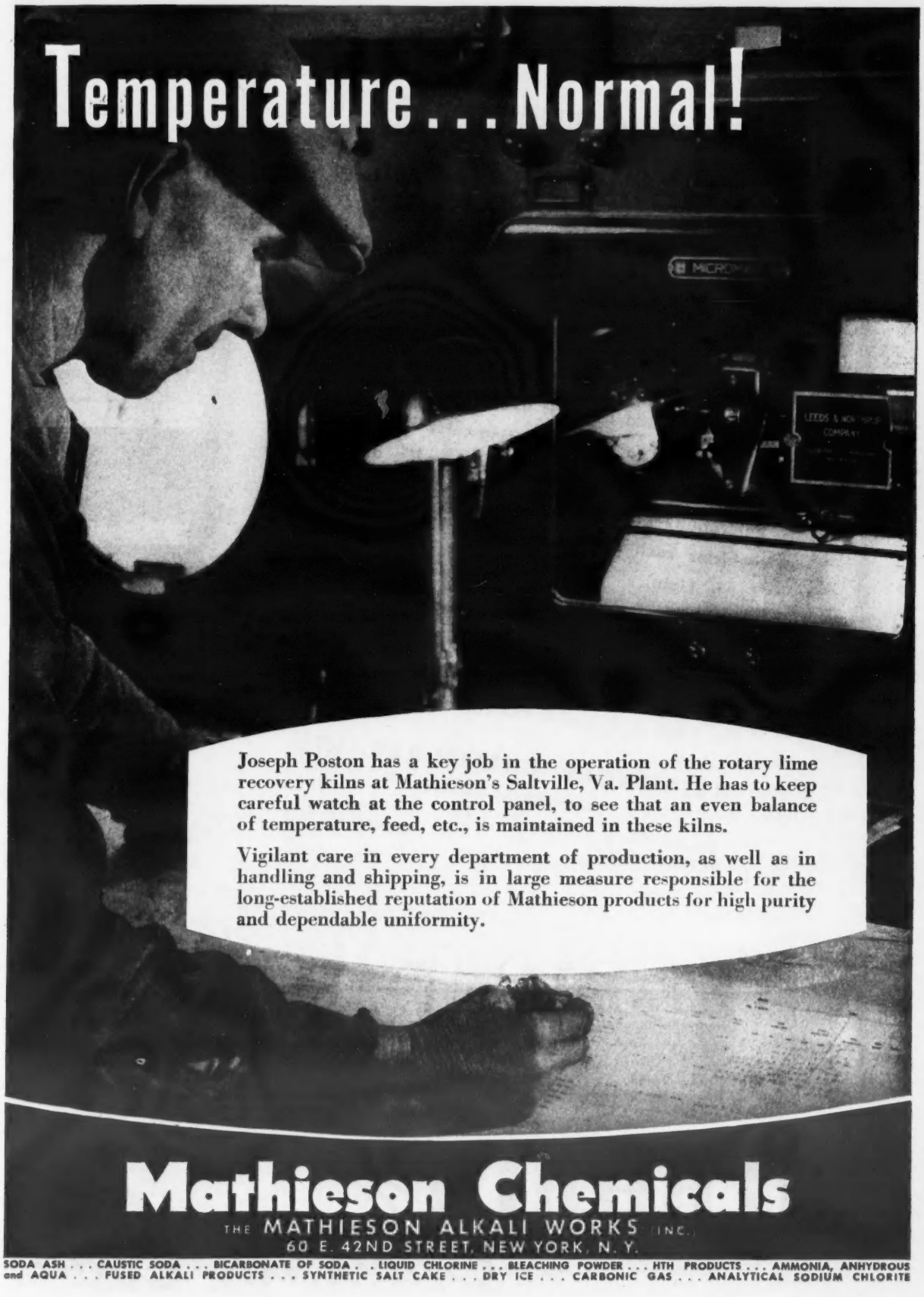
Soda, picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhy., bgs., c.l., wks., frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., wks., frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis..100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs. .....lb. .52 - —
Sesquicarbonate, bgs., c.l. works..100 lbs. 1.50 - —
l.c.l., Zone 1.....100 lbs. 2.70 - —
bbls., l.c.l. Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and Caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 bbls. or over, dlvd., N. Y. C..lb. 4.00 - —
1-9 bbls.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l. works..100 lbs. .80 - —
l.c.l., 5 or more, works. 100 lbs. 1.05 - —
1 to 4 works....100 lbs. 1.20 - —
Soda, silicate, 52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1-4 works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import, bbls.....lb. .05¾- .06¼
Stannate, dms.....lb. No prices
Stearate, lump, powd., bbls., works..lb. .19 - .34
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
powd., cns., 100-oz. k.ts...oz. .50 - —
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 -

Soda Caustic—Squill

Soda, sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. No price
tech., kgs.....lb. No price
Solvent, high-flash, dms., works, frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
naphtha, solvent, dms., works. gal. .32 - —
tanks, E. of Omaha, frt., alld., gal. .27 - —
W. Coast, f.o.b., Minnequa, Colo..gal. .27 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .15½- —
l.c.l. .....lb. .16 - —
Soybean protein, bgs., c.l., works, lb. .14¼- —
l.c.l., works.....lb. .14½- —
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .26 - .27
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works .....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works .....lb. .01½- —
Squawvine leaves, bls.....lb. .14 - .15
Squill, red, bls.....lb. .20 - .21
white, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .15 - .16



Joseph Poston has a key job in the operation of the rotary lime recovery kilns at Mathieson's Saltville, Va. Plant. He has to keep careful watch at the control panel, to see that an even balance of temperature, feed, etc., is maintained in these kilns.

Vigilant care in every department of production, as well as in handling and shipping, is in large measure responsible for the long-established reputation of Mathieson products for high purity and dependable uniformity.

Mathieson Chemicals

THE MATHIESON ALKALI WORKS INC.

60 E. 42ND STREET, NEW YORK, N. Y.

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS . . . ANALYTICAL SODIUM CHLORITE

St. Ig. Beans—Titanium

St. Ignatius beans, bgs	lb.	.49 -	.51
St. John's Bread, edible, bls.,	lb.	.09 -	.11
inedible, bls	lb.	.07 -	.09
Starch, corn, pearl, bgs., f.o.b. Chicago	100 lbs.	2.50 -	—
dlvd., N. Y	100 lbs.	2.85 -	—
powd., bgs., f.o.b. Chicago,	100 lbs.	2.60 -	—
dlvd., N. Y	100 lbs.	2.95 -	—
Potato, dom., bgs	lb.	.06 -	.06¾
import, bgs	lb.	.06½	Nom.
Rice, bbls	lb.	.07¼	Nom.
Sweetpotato, bgs	lb.	.05½-	.06
Wheat, thick, boil, bgs	lb.	.05½	Nom.
Starch, iodide, bots	lb.	1.87 -	—
Staveacre seed, bgs	lb.	.25 -	.30
Stearin, oleo, bbls	lb.	.06¾-	.07
Stillingia root, bls	lb.	.07½-	.08
Stoneroot, bls	lb.	.07½-	.08
Storax, cs	lb.	.65 -	.70
Stramonium leaves, bls	lb.	.17 -	.18
Seed, bgs	lb.	.20 -	.21
Strontium bromide, fib, dms.	lb.	.57 -	.59
kgs., 150 lbs	lb.	.55 -	—
Carbonate, N.F., IV, 250-lb. bbls.	lb.	.30 -	—
25-lb. bxs	lb.	.35 -	—
100-lb. kgs	lb.	.32 -	—
tech., 99-100 pc., precip., bbls.,	lb.	.22	Nom.
Chloride, bbls	lb.	.21 -	—
Iodide, bots., 5 lbs	lb.	3.60 -	—
jars, 25 lbs.	lb.	3.06 -	—
Nitrate, dom., bbls., c.l., works.	lb.	.07¾-	—
25 bbls. and over	lb.	.08¼-	—
1-24 bbls. and over	lb.	.08¾-	—

Strophanthus seed, Kombe, bgs.	lb.	3.40 -	3.5.
Styralyl acetate, bots	lb.	6.75 -	7.00
Strychnine, cryst., cns., 100-oz. lots..oz.		.60 -	—
Acetate, 25-oz. cns., 100-oz. lots..oz.		.79 -	—
Arsenate, 25-oz., cns., 100-oz. lots..oz.		.83 -	—
Arsenite, 25-oz. cns., 100-oz. lots..oz.		.79 -	—
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz.		.80 -	—
Hydrochloride, 25-oz. cns., 100-oz. lots..oz.		.79 -	—
Hypophosphite, 25-oz. cns., 100-oz. lots..oz.		.91 -	—
Nitrate, 25-oz. cns., 100-oz. lots..oz.		.73 -	—
Phosphate, 25-oz. cns., 100-oz. lots..oz.		.80 -	—
Sulphate, cryst., cns., 100-oz. lots..oz.		.50 -	—
powd., cns., 100-oz. lots, oz.		.40 -	—
Sucrose octa-acetate, denat. grade, bbls, l.c.l., works	lb.	.45 -	—
tech., bbls., l.c.l., works	lb.	.40 -	—
Sugar coloring, bbls	gal.	.65 -	1.05
Milk, bbls., c.l	lb.	.16 -	—
l.c.l., 10 or over	lb.	.17 -	—
less than 10	lb.	.18 -	—
Sulfanilamide, 5 lbs., bots	lb.	1.65 -	—
fib., dms., 1,000 lbs., 1 delivery.	lb.	1.25 -	—
100 lbs	lb.	1.30 -	—
Sulfapyridine, powd., for hospitals, 5-grain bots..bot.		1.25 -	—
Sulphonethylmethane, kgs	lb.	6.75 -	6.80
Sulphonmethane, kgs	lb.	5.25 -	5.30

Sulphur, crude, bulk., f.o.b. cars, mines, contracts..long ton.		16.00 -	—
f.o.b. steamers, Gulf ports, contract..long ton.		17.50 -	—
ex vessels, Atlantic seaboard, contract..long ton.		20.50 -	—
Puget Sound, Columbia River, and British Columbia ports, bulk, contract.. long ton.		22.00 -	—
flowers, bgs., c.l., works	100 lbs.	3.60 -	—
bbls., works	100 lbs.	3.35 -	—
l.c.l., bgs., works	100 lbs.	3.35 -	3.75
bbls., works	100 lbs.	3.70 -	4.10
refined, broken, bgs., c.l., works,	100 lbs.	2.15 -	—
bbls., works	100 lbs.	2.30 -	—
l.c.l., bgs., works	100 lbs.	2.50 -	2.90
bbls., works	100 lbs.	2.65 -	3.05
flour, comm'l, bgs., c.l., works,	100 lbs.	1.60 -	—
bbls., c.l., works	100 lbs.	1.95 -	—
l.c.l., bgs., works	100 lbs.	1.95 -	1.98
bbls., works	100 lbs.	2.30 -	2.70
extra fine, bgs., c.l., works,	100 lbs.	2.85 -	—
bbls., works	100 lbs.	3.20 -	—
l.c.l., bgs., works	100 lbs.	3.20 -	3.60
bbls., works	100 lbs.	3.55 -	3.95
heavy, bgs., c.l., works	100 lbs.	2.55 -	—
bbls., works	100 lbs.	2.90 -	—
l.c.l., bgs., works	100 lbs.	2.90 -	3.30
bbls., works	100 lbs.	3.25 -	3.65
light, bgs., c.l., works	100 lbs.	2.03 -	—
bbls., works	100 lbs.	3.00 -	—
l.c.l., bgs., works	100 lbs.	3.00 -	3.40
bbls., works	100 lbs.	3.35 -	3.75

Sulphur, refined, rock, virgin, bbls., c.l., works	100 lbs.	2.15 -	—
l.c.l., bbls works	100 lbs.	2.50 -	2.90
roll, bgs., c.l	100 lbs.	2.35 -	—
bbls., works	100 lbs.	3.50 -	—
l.c.l., bgs., works	100 lbs.	2.70 -	3.10
bbls., works	100 lbs.	2.85 -	3.25
rubber maker's, com'l, 99¼%, c.l., frt. alld	100 lbs.	2.00 -	—
bbls., same basis, c.l	100 lbs.	2.35 -	—
refined, 100%, bgs., c.l., frt. alld	100 lbs.	2.35 -	—
bbls., same basis	100 lbs.	2.70 -	—
Chloride, 55-gal. dms., c.l	lb.	.03 -	—
l.c.l., dms., works	lb.	.04 -	—
10-gal. dms., c.l	lb.	.07 -	—
l.c.l.	lb.	.08 -	—
Dioxide, liq., com'l, cyls., works,	lb.	.07 -	.09
multi-unit, cars, works	lb.	.04½-	.07
tanks, works	lb.	.04 -	.06
refrigeration, cyls., works	lb.	.16 -	.40
multi-unit cars, works	lb.	.07½-	.10
Iodide, bots., jars	lb.	3.90 -	4.05
Precipitated, USP, bbls	lb.	.17 -	.22
Sumac, grd., Sicilian, f.a.s	ton.	82.00 -	—
leaf, bls., f.a.s	ton.	85.00 -	—
Extract, 42°, bbls	lb.	.06 -	—
51°, bbls	lb.	.07 -	—
stainless, bbls	lb.	.07½-	.09¼
Berries, bgs		.14 -	.15
Sunflower seed, Calif., large, bgs.,	lb.	.06½-	.07
medium, bgs	lb.	.06 -	.06½
poultry, bgs	lb.	.0460-	.0490
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto,	ton.	9.00 -	—
run-of-pile, basis 16%, bulk, same basis	ton.	8.50 -	—
triple, 40-48%, a.p.a. bulk, f.o.b. Balto	unit-ton.	.70 -	—

T

Talc, dom., Calif., 1, bgs., c.l., mills	ton.	20.00 -	—
2, bgs., c.l., mills	ton.	17.00 -	—
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills,	ton.	14.00	-16.00
l.c.l., mills	ton.	16.00	-18.00
96-98%, 325 c.l., mills	ton.	15.00	-17.00
l.c.l., mills	ton.	17.00	-19.00
98-99½%, 325 mesh, bgs., c.l., mills	ton.	15.25	-17.25
l.c.l., mills	ton.	17.25	-19.25
fibrous, 90.85-99.95%, 325 mesh, bgs., c.l., mills	ton.	17.00	-19.00
coarse, off color, bgs., c.l., mills	ton.	11.00	-13.00
Ohio, flake type, grd., bgs., c.l., mills	ton.	21.00	- —
l.c.l., mills	ton.	24.50	- —
Vermont, bgs., c.l., mills,	ton.	14.00	- —
l.c.l., ex whse	ton.	25.00	- —
Canad., bgs., c.l., mills	ton.	11.50	-13.00
French, high-grade, bgs., l.c.l., ex whse	ton.	45.00	-60.00
ordinary, bgs., c.l., ex dock, arrival	ton.	23.00	-25.00
l.c.l., ex whse	ton.	27.50	-35.00
Italian, 1, bgs., ex dock, arrival,	ton.	67.00	-70.00
ex whse	ton.	75.00	-78.00
2, bgs., ex dock, arrival	ton.	64.00	-67.00
Tallow, animal, edible	lb.	.06½	Nom.
extra, loose	lb.	.05½-	—
special, loose	lb.	.05⅝-	—
vegetable, ship, cs	lb.	.06½	Nom.
sulphonated, 35% (24% fat), dms., c.l.	lb.	.03¾	Nom.
l.c.l.	lb.	.04¾	Nom.
50% (43% fat), dms., c.l.,	lb.	.05¼	Nom.
l.c.l.	lb.	.06¼	Nom.
50% (48% fat), dms., c.l.	lb.	.05¾	Nom.
l.c.l.	lb.	.06¾	Nom.
Tamarind, W. I., bbls	lb.	.09 -	.11
kegs	keg.	6.00 -	8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk	unit-ton.	3.25 &	.10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk	unit-ton.	3.75 &	.10
10-11% ammon., 15% b.p.l., bulk, Chicago	unit-ton.	3.50 &	.10
high-grade feeding, bulk, Chicago	unit-ton.	4.00 &	.10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Jan. shipt.,	unit-ton.	3.80 &	.10
Tansy leaves, bls	lb.	.22 -	.23
Tapioca flour, bgs	lb.	.03 -	.05
Tar acid oil, 15%, dms., c.l., works	gal.	.22 -	—
l.c.l., same basis	gal.	.24 -	—
25%, dms., c.l., works	gal.	.26 -	—
l.c.l., same basis	gal.	.28 -	—
Tar, pine, retort, dms., c.l., dlvd. E. cities	gal.	.27 -	—
ports	gal.	.26 -	—
l.c.l.	gal.	.27 -	—
tanks, dlvd. E. cities	gal.	.21 -	—
Tarragon herb, bgs	lb.	.60 -	.65
Tartar emetic, tech., fine gran., bbls., 5 or more	lb.	.34¾	Nom.
less than 5	lb.	.35	Nom.
powd., bbls., 5 or more	lb.	.34¾	Nom.
less than 5	lb.	.35	Nom.
USP, powd., bbls	lb.	.40	Nom.
Terebene, cans	lb.	.70 -	.75
Terpinyl acetate, cns	lb.	.82 -	.85
Terpin hydrate, kgs	lb.	.60 -	.65
Terpineol, CP, cns	lb.	.28 -	—
dms.	lb.	.25 -	—
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt.	lb.	.17 -	—
Terra alba (see Gypsum).			
Tetrachloroethane, dms., wks.	lb.	.08 -	.08½
Tetrachloroethylene, CP, dms.	lb.	.21½-	—
tech. (see Perchloroethylene).			
Tetralin, dms	lb.	.12 -	—
Tetrasodium pyrophosphate (see soda pyrophosphate).			
Thallium sulphate, 99% pure, bots., works	lb.	5.00 -	7.00
Theobromine, cns	lb.	2.10	Nom.
Sodiosalicylate, cns	lb.	1.85 -	—
dms.	lb.	1.70 -	—
5-lb. bots	lb.	2.01 -	—
Thiocarbanilide, dms	lb.	.24 -	—
Thorium, nitrate, cs., works	lb.	2.00 -	—
Thyme, French, bls	lb.	.20½-	.21
Thymol, dms., 100 lbs	lb.	1.50 -	—
cns., 25 lbs	lb.	1.55 -	1.60
Iodide, kgs., 50 lbs	lb.	3.25 -	3.30
25 lbs	lb.	3.35 -	3.40
Timbo root, powd., 4% rotenone, bbls	lb.	.18 -	.24
5% rotenone, bbls	lb.	.22 -	.30
Tin chloride (ous), anhyd	lb.	.45½-	—
Crystals, bbls., kgs	lb.	.37 -	—
Metals, Straits	lb.	.47½-	—
Oxide, bbls	lb.	.52 -	—
Tetrachloride, anhyd., bbls	lb.	.24¼-	—
Titanium, dioxide bgs c.l. (20 tone) frt. pd.	lb.	.13 -	—
l.c.l., 5 tons E frt. pd.	lb.	.13¼-	—

No. 5035 C. P. TOLUIDINE TONER DARK

Formulators are expressing a marked preference for No. 5035 when a bright, vivid red with maximum light fastness is desired.

No. 5035 is a pure organic toner that is very intense in shade and has excellent strength and opacity. It's a soft, easy grinding color that stands fairly high temperatures without hazing or discoloration—(250° F. for 1 hour when ground in vehicles such as Nos. 1307 or 1313 Beckosol Extra Light).

No. 5035 is an outstanding example of why RCI chemical colors are preferred by formulators throughout the industry. Inquiries concerning No. 5035 or any other RCI product are welcomed.

REICHHOLD CHEMICALS, INC.

Chemical Color Division

General Offices: DETROIT, MICH.

Factory: BROOKLYN, N. Y.

It's an **R-C-I** *Color*

REICHHOLD *Chemical Colors*

Titanium dioxide, bgs., l.c.l., 5 tons, E. frt. pd., Pac. Cst., ex whse..lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13¼ -
Pac. Cst., ex whse..lb. .13¼- —
50-999 lbs., E. frt. pd. lb. .13¾ -
Pac. Cst., ex whse..lb. .13¾- —
under 50 lbs., E. frt. pd., lb. .14 - —
Pac. Cst., ex whse..lb. .14 - —
bbls., c.l. (20 tons), frt. pd lb. .13¼ -
l.c.l., 5 tons, E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
1,000-9,999 lbs., E. frt. pd. lb. .13¾ -
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk-resistant, bgs., c.l., (20 tons), frt. pd..lb. .16 - —
l.c.l., 5 tons, frt. pd....lb. .16¼- —
1,000-9,999 lbs., frt. pd.lb. .16¼- —
50-999 lbs., frt. pd....lb. .16¾- —
Under 50 lbs., frt. pd..lb. .19 - —
bbls., c.l. (20 tons), frt. pd. lb. .16¼- —
l.c.l., 5 tons, E. frt. pd..lb. .16¼- —
Pac. Cst., ex whse..lb. .16¾- —
1,000-9,9999 lbs., E. frt. pd. lb. .16¾ -
Pac. Cst., ex whse..lb. .16¾- —
50-999 lbs., E. frt. pd., lb. .17 - —
Pac. Cst. ex whse..lb. .17 - —
barium or magnesium base, bgs., c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. cst., ex whse.....lb. .05¾- —
under 50 lbs., E., dlvd....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05½- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. cst., ex whse.....lb. .05¾- —
under 50 lbs., E., dlvd....lb. .06¼- —
Toluidin base distilled, kgs....lb. .88 -
Tolu, balsam, cns.....lb. .50 - .52
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld. gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld. gal. .26½- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Export .....gal. .30 - —
Tonga vine, F, bls.....lb. .55 - .60
root, bls.....lb. .57 - .62
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. 1.00 - 1.10
Triacetin, dms. .....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works. lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, dms., l.c.l., dlvd..lb. .35 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.: Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works. lb. 1.05 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09½ Nom.
Madras, bgs.....lb. .11 Nom.
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .33½- —
l.c.l., 10 ex dock.....gal. .35½- —
5 ex dock.....gal. .37½- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .26 - .28
tanks, dlvd. E. cities....gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

Unicorn root, false (see Helonias root) True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - —
yellow, kgs.....lb. 1.75 - —
Urea, dom., 46 + % N. bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse..ton.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.58 - —
Urea nitrogen, dom., 42% N_2, bulk, Jan. shipt., f.o.b. Belle, W. Va..ton.57.40 - —
imported, 40% N_2, bgs., Jan. shipt..ton.56.25 - —
30%, N_2, bgs., Jan. shipt., ton.42.55 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .27 - .29
Valonia, beards, bgs., f.a.s..ton.54.00 Nom.
Cups, bgs., shipt., f.a.s...ton.33.00 -37.00
extract, powdered, 63%.....lb. .0565 Nom.
Vanilla beans, Bourbon, tins..lb. 6.50 - 7.00
Mexican, tins.....lb. 6.50 - 7.50
cuts, tins.....lb. 6.00 - 6.25
South American, tins.....lb. No prices
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.63 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. .70 - .75
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .48
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.36.50 -39.00
Extract, solid, bgs.....lb. .04½- —
Wax, bayberry, import, bgs...lb. .28 - .30
Bees, white, bleach, slabs, cs., 5 case lots..lb. .38 - —
1 cs., lots.....lb. .38½- —
cakes, 5 cs., lots.....lb. .39 - —
1 cs., lots.....lb. .39½- —

Titanium Diox.—Wax, Japan

Wax, bees, white, bleach., discs, 5 cs., lots..lb. .40 - —
1 cs., lots.....lb. .40½- —
yellow, crude, Africa, 10-bg. lots..lb. .27 - .27½
1 bg.....lb. .27½- .28
Brazil, bgs., 5-10 lots....lb. .27 - .27½
1 ton.....lb. .27½- .28
500 lbs.....lb. .28 - .28½
100 lbs.....lb. .28½- .29
refd., slabs, cs., lbs.....lb. .31 - .36
Candelilla, bgs., 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .45 - .46
5 bgs.....lb. .45½- .46½
1 bg.....lb. .46 - .47
N. C., 2, bgs.....lb. No prices.
N. C., 3, bgs., 1 ton.....lb. .48 - .49
5 bgs.....lb. .48½- .49½
1 bg.....lb. .49 - .50
refined, bgs.....lb. .53 - .54
yellow, No. 1 bgs., 1 ton....lb. .76 - .78
5 bgs.....lb. .77 - .79
1 bg.....lb. .78 - .80
No. 2, bgs.....lb. No prices
Ceresin, dom., 17° bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1-ton.....lb. .13½- .14
jobbing lots.....lb. .14½- .15
Japan, cs.....lb. .17 - .17½

—Continued on page 41

BRILLIANT AND LASTING

Weathering through wind and rain, ice and snow, heat and cold, Harshaw pigments retain their brilliance.—Because they are stable, inorganic chemical compounds, the usual actions of weathering and atmospheric fumes have little effect on their brilliance and color.—And Harshaw unique processes bring out brilliance of tone and high tinting strength unusual for inorganic pigments . . . Try Harshaw Pigments—our laboratory technicians will match your standards.

Chrome Yellows, Chrome Green Oxides, Guignet's Green, Cobalt Blues and Violets, Cadmium Lithopones and Cadmium Sulphides.

THE HARSHAW CHEMICAL CO.

Offices and Laboratories: Cleveland, Ohio

Quality Products Since 1892

New York, Philadelphia, Chicago, Detroit, Pittsburgh, Cincinnati, East Liverpool, Los Angeles, San Francisco

Works at Cleveland and Elyria, Ohio and Philadelphia, Pa.

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York, U. S. A. Telephone REctor 2-9620. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Member—Audit Bureau of Circulations.

Entered at the Post Office of New York as second class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1939, by Oil, Paint and Drug Publishing Company, Inc.

Vol. 137 January 8, 1940 Number 2

Chemurgy or Subsidy

Certain Republican members of Congress plan to study the possibilities of farm chemurgy as a remedy for the unsatisfactory conditions of agriculture. They have invited many scientists and industrialists to help them in this undertaking. This opens an opportunity for a great many things. The results are entirely unpredictable.

It is easy to believe that chemurgy can do more than subsidy to make agriculture more profitable. It is plain that chemurgy could be made self-supporting, and this would do away with the cost of subsidy which makes that method of farm relief literally a robbing of Peter to pay Paul. Of course that may be perfectly in keeping theoretically with the doctrine of a better distribution of the wealth of the nation; but the robbing, in practice, works quite the other way.

Somebody must convert agriculture more widely to a belief in farm chemurgy. Perhaps this is a job that must be done by politicians because they have long posed as the only real friends of the farmer—and they have been amazingly accepted as such. It is necessary to convert agricultural groups from such attitudes as that expressed a short time ago by one of them which declared that the control of agricultural production should be accomplished through removal of acres completely from harvested and pastured crops. That group confused control with curtailment, and was unable to see that it is possible to make a broader and a more profitable use of all the available acres in the country.

If farm relief must be political, chemurgy is preferable to subsidy as the means; although it would be far less familiar in political hands. But there is no reason to believe that politicians can do any real good for agriculture by any means. The farm problem is fundamentally and in detail a business problem—and politicians never got that far in their solvings. The chemurgic development of proper coordination of the purposes and potentialities of agriculture, industry, and science will progress far better without benefit of politics.

Toward Open Taxes

There appears to be a substantial amount of serious backing in the legislature of New York State for the sales tax bill which was one of the earliest measures introduced in the newly opened session. It is reasonable to expect that this bill will attract support among the legislators and among a large part of the public for several reasons. It would eliminate the New York city sales tax; it is designed to displace the emergency income tax for relief purposes, and perhaps the cigaret tax and to reduce real estate taxes. It would not affect the gasoline sales tax.

Obviously the sales tax bill does not depart from the long customary method of revising revenue legislation by changing the form or the base of taxation. It is not a forward movement. In fact, because it can reasonably be expected to shift the burden of taxes further to backs less able to bear it, the bill is retrogressive. A sales tax is better than many other popular sorts of taxes, but it is not a fair tax because it applies to the whole of the income of those who must spend all they make and because usually, as it is in the New York bill, it is a flat tax, and that kind always bears down most on the weakest spots.

One thing can be said for the proposal of a widespread sales tax: it will do still more than gasoline taxes and cigaret taxes to make the general run of citizens desirous of knowing why they are taxed. In due course this curiosity may lead to a demand that all taxes be made recognizable and that the necessity for them be demonstrated by simple arithmetic.

—O-P-D—

Geographical Brand Names

Labeling of drugs and cosmetics is a closer and bigger problem for manufacturers now that the new Federal law has finally become effective in its relevant provisions. But, it appears that a labeling problem at least as serious looms in the narrowing of the Federal Trade Commission's conception of what makes drug or cosmetic advertising deceptive. The commission apparently is gunning in the wide field of use of geographical names as commercial brands.

An outstanding case indicative of this narrowing attitude has brought an order by the commission to a manufacturer of toiletries which has long used the term, "English," to identify its lavender preparations. Insofar as it has to do with this practice the commission's order seems to rest on a weak foundation. The records do not definitely show that the manufacturer does not use English lavender or its oil as the aromatic in its preparations. The aromatic apparently is diluted to usable form with domestic alcohol and water; but it "remains an Englishman," and there is difficulty in recognizing wherein the designation, "English lavender," is not properly applicable.

It is true that users of lavender odorants believe that the best lavender is that grown in England. Their belief has a foundation stronger than mere sentiment. But, they do not expect to be required to go to England or to send to England when they want to buy lavender water or lavender soap, and they are not being fooled when somebody calls his lavender English because he gets it from England and it was grown there. There are many practices within the field of the Federal Trade Commission's functioning—this field is not limited to foods and drugs and cosmetics—which are deceptive for more than the relatively few exaggerated anglophiles who would have no alien article or hand profane their heart's desire. These practices should get attention before the use of applicable names is proscribed.

—O-P-D—

Unearned Price Concessions

The Supreme Court of the United States has refused to interfere with the ruling of the Federal Trade Commission and the confirmatory decision of a circuit court of appeals that the country's largest chain grocery concern is prohibited by the Robinson-Patman act to accept price concessions in lieu of brokerage fees from manufacturers from whom it buys goods. The company, it appears, will make a further attempt to convince the supreme court that the juridical interpretaion of section 2 (c) in respect of its affairs is erroneous and that its own favorable reading of the law is the correct one.

The brokerage provisions of section 2 (c) of the Patman act are definitely prohibitive of deception in respect of the nature of discriminatory price concessions. They are distinct from the provisions of preceding subsections which have to do with open discriminations. The courts have taken full cognizance of this fact in their interpretations of section 2 (c), and their reasoning in the two cases which have gone to the supreme court is clear, as well as definite. These brokerage provisions do not nullify the permissive language of section 2 (a); they deal with an entirely different matter.

It is conceivable and it is susceptible of proof that a buyer whose transactions have the volume of those of a nation-wide chain organization can be served by a manufacturer or other seller at a cost lower than that attaching to the handling of a smaller volume. The large buyer is not denied by section 2 (c) of the Patman act the benefit of this less costly handling of its business under the preceding proviso:—

> Provided, that nothing herein contained shall prevent differentials which make only due allowance for differences in the cost of manufacture, sale, or delivery resulting from the differing methods or quantities in which such commodities are to such purchasers sold or delivered.

The distinguishing feature of this proviso is that it permits only such allowances as represent actual differences in costs. The plea of the chain store concern was that it was entitled to an extra concession for furnishing manufacturers with reports about crops and weather, statistical data on the state of business and the volume of inventories, and similar "services." These, of course, relieved a manufacturer of proving that the concessions represented actual savings. It is in this that they became deceptive and clearly within the prohibitive purview of section 2 (c).

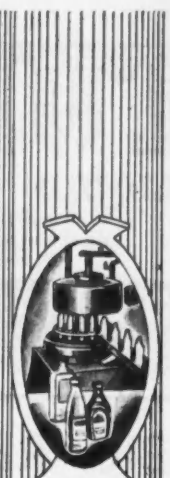
The Patman act and the fair trade acts, although they do not go by specific wording to the deceptive practices which the Federal Trade Commission is authorized by the Wheeler-Lea act to combat, are clearly concerned with deception. These acts do not interfere with the rewards of actual efficiency; but, the Patman act in one way and the fair trade acts in another, do make it difficult to maintain the props of deception on which so much so-called "efficiency" rests.

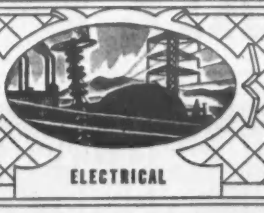
A Tribute to the Pharmaceutical Industry

Nowhere in the world are pharmaceutical standards higher than in our own country. This industry has grown amazingly in volume throughout the short span of our country's history, and no less amazing has been the development of its high standards designed for the protection of public health. Chas. Pfizer & Co. takes pride in its nearly century-long service to the pharmaceutical industry and in its contributions to the industry's progress, both through the development of improved processes of manufacture and the maintenance of rigid standards of purity and quality.

CHAS. PFIZER & CO., INC.

81 MAIDEN LANE, NEW YORK, N. Y.
444 GRAND AVE., CHICAGO, ILL.





TURNER
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
RIDGEFIELD, N. J.
83 EXCHANGE PL. PROVIDENCE
630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

STAUFFER
A dependable Source of Supply since 1885
CARBON BISULPHIDE
BORIC ACID : CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE
SILICON TETRACHLORIDE : CREAM OF TARTAR
SULPHURIC ACID : CAUSTIC SODA : WHITING
TARTARIC ACID : LIQUID CHLORINE : SULPHUR
TEXTILE STRIPPER : CARBON BISULPHIDE
STAUFFER CHEMICAL CO.
Stauffer
420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

BARIUM REDUCTION CORPORATION
Manufacturers of
Precipitated Barium Carbonate
Barium Chloride Crystals
Anhydrous Barium Chloride
Barium Sulphate
Barium Oxide
Barium Peroxide
Barium Hydrate
Barium Sulphide
Sodium Sulphide
Sodium Sulphydrate
Hydrogen Sulphide Gas
Ammonium Sulphide
Strontium Oxide
Strontium Peroxide
OFFICE AND WORKS: SOUTH CHARLESTON, W. VA.

COPPER SULPHATE
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY
NEW YORK OFFICE · 30 CHURCH ST.

Heavy Chemicals

New Business Spotty — Outlook for Near Future Promising —Domestic Fluorspar Easier—Soda Antimoniate Reduced —Copperas Less Car Lot Prices Up—Tin Salts Lower

New business in the market for heavy chemicals was spotty, but showed some gain during the past week. Producers entered the new year with fair size backlogs representing orders placed during the final quarter. Basic industrial operations rebounded from the year end levels, and the outlook for the immediate future appeared promising. Prices in practically all important chemicals held firm. The principal changes occurred in metal salts.

Production remained at high levels, and was expected to continue for a while until backlogs were scaled down. Buying in recent weeks clearly indicated that consumers were ordering closer to production requirements. Most contracts covering this year's needs contained specified maximum and minimum clauses to enable sellers to prevent any repetition of the abnormal buying wave which took place shortly after the outbreak of the war.

Most factors were not in a position to offer large quantities for export. Inquiries reached the market in sizable volume from many sources However, each order was scrutinized to ascertain the credit and exchange situation before any commitments were made. Conditions in many South American countries were adversely affected because of restricted exports due to the war.

Alums.—Firm prices fully retained for ammonia, potash and soda alum. Potash-chrome strictly nominal. Steady shipments against contracts.

Alumina Hydrate.—Moderate interest for heavy and light grades. Prices unchanged and firm.

Alumina Sulphate.—Large consumers entered market for fair size replacements against contracts. Firm price tone prevailed for commercial and iron-free.

Ammonia, Anhydrous. — Withdrawals in line with seasonal requirements. Contract work satisfactory. Prices ruled firm.

Ammonia, Aqua.—Buying moderately active. Fair export inquiry. Prices without change.

Ammonia Bicarbonate.—Dealings routine. Prices continue firm.

Ammonia Bifluoride.—Small quantities usually made up the call. No change in the quotations.

Ammonia Nitrate.—Position of market continued strong. Demand moderate.

Ammonia Persulphate. — Inquiries reached market in satisfactory volume. Withdrawals limited. Prices well sustained.

Ammonia Silicofluoride. — Imported material available at 12½c. per pound. Trading not very active.

Ammoniac, Sal. — Market position tight. Sellers well booked, and offerings principally made to regular consumers. Small imports.

Antimony.—Metal quiet, spot price unaltered. Needle of antimony easier at 18c. per pound. No prices available for oxide of antimony.

Arsenic.—Demand for white along seasonal lines, and prices firm. Limited offerings of red and quotations difficult to obtain.

Barium Salts.—Little in way of new price developments for domestic and imported materials. Business held to moderate levels.

Bleaching Powder.—Active export inquiry. Domestic interest satisfactory. Market position very firm.

Blue Vitriol.—Demand from domestic and export channels good. Sellers following reserved policy in view of heavy withdrawals and approach of agricultural season. Prices very firm.

Calcium Acetate.—Prices unchanged and firm. Transactions moderately active.

Calcium Chloride.—Shipments for ice control work stimulated by favorable weather conditions in most areas. Call for concrete curing satisfactory. Good export inquiry. Prices remained unchanged and firm.

Carbon Tetrachloride.—Demand failed to broaden appreciably, but sufficient interest prevailed to give the market a firm tone. Little export inquiry.

Chlorine.—Buying from commercial channels displayed some pickup from the year-end levels. Some export inquiries reported. Position of market satisfactory, and prices steady to firm.

Cobalt Oxide.—Small quantities provided most of the business. Prices were without change and tone of market held firm.

Copper.—Domestic price unchanged at 12½c. per pound. Business quiet, with no nearby interest. Little activity in outside market, with price nominal at 12.60c. per pound for spot shipment. Export interest light with quotation around 12.50c. per pound for nearby shipment. Some inquiries but little buying.

Copper Salts.—A firm price tone characterized dealings in various copper derivatives. Withdrawals were steady against contracts.

Copperas.—Quotations for less car lots were adjusted upward 10c. per 100 pounds, making barrels, 25 or over, works, $1.55 per 100 pounds, and 5 to 24 barrels, same basis, $1.65 per 100 pounds. Demand steady.

Fluorspar.—Domestic prices $1 lower, making washed gravel $21 per net ton, and No. 2 lump $21 per net ton. Prices f.o.b. mines. Market firm at above prices, with demand moderate.

Glauber's Salt.—Price tone firm. Shipments against contracts steady. Imports small.

Lead Acetate. — Shipments routine. Prices unchanged and firm.

Lead Nitrate.—Some fair size replacement business entered market. Prices the same and firm.

Lime.—Shipments moved to various consuming channels in satisfactory volume. Quotations were maintained at previous levels.

Price Changes

Advanced

Copperas, l.c.l., 10c. per 100 lbs.

Reduced

Antimony, needle, 2c. per lb.
Fluorspar, dom., $1 per net ton.
Soda antimoniate, ½c. per lb.
Tin, Straits, 1½c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.
tetrachloride, anhy., ½c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
151.9	**151.9**	**149.4**	**147.2**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.0	**99.0**	**99.0**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 6

Magnesite.—Settlement of strike on Pacific Coast failed to reflect in any immediate price changes, but some readjustment was looked for soon. Spot price for imported was firm, with future shipments expected to be higher.

Manganese Dioxide.—Shipments move steadily against contracts. No spot offerings of consequence. African battery grade followed recent advance in Caucasian.

Nickel Salts.—Sellers engaged in contract renewals. Transactions held to moderate levels.

Potash Carbonate.—Sufficient orders on sellers books to keep market position very strong. Good export inquiry.

Potash, Caustic. — Shipments moved against contracts steadily, with good size bookings carried forward from preceding month. Prices remain firm.

Potash, Chlorate.—Despite recent shipments, stocks on hand were not large and inquiries continued to exceed supplies. Quotations firm.

Potash, Permanganate. — Consumers held commitments to moderate proportions. Supplies sufficient to satisfy needs of regular consumers.

Saltcake.—The market remained nominal. Imports were still restricted, while most domestic offerings were well absorbed.

Saltpeter. — No changes were announced in the prices, the position of the market was very firm, and any increase was expected to be modest and reflect the higher raw material costs only.

Soda Acetate. — Moderate interest. Prices ruled unchanged.

Soda Antimoniate. — Prices declined ½c., making car lots 14c. per pound and less car lots 14¾c. to 15c. per pound depending on quantity. Business dull.

Soda Ash.—Shipments moved against contracts satisfactorily, with some broadening noted from the year-end levels. Export interest continued favorable. Prices were firm.

Soda Bicarbonate.—Withdrawals were steady. Steady to firm price tone prevailed.

Soda Bisulphite.—Consumers exerted moderate interest for nearby needs. Prices displayed no change.

Soda, Caustic.—Major consumers made fair size commitments against contracts to keep market in firm position. Good export demand.

Soda Chlorate.—Prices firm. Demand from commercial channels held to moderate levels.

Soda Cyanide.—Buying spotty; however, some good size orders reaching market from electroplating trade.

Soda Fluoride.—A firm tone governed dealings. Withdrawals held to modest quantities.

Soda Hydrosulphite.—Spot offerings not large; steady demand against contracts. Quotations very firm.

Soda Metasilicate.—Usual consumers entered market for necessary requirements. Prices well sustained.

Soda Nitrite.—Market position strong. Shipments steady.

Soda Phosphate.—Demand adequate to retain firm price tone. Sellers not in position to accept all export inquiries.

Soda Pyrophosphate.—No new price developments. Transactions routine.

Soda Silicate. — Demand moderately active. Export business fair. Prices steady to firm.

Soda Silicofluoride. — Domestic spot offerings negligible, and leading sellers not quoting. Limited supplies of imported available.

Soda Sulphide.—Most consumers followed a moderate purchasing policy. Prices continued firm.

Strontium Salts. — Fair demand for nitrate, with prices well sustained.

Sulphur, Refined.—Shipments against contracts were moderately active. Pricewise a firm tone governed the transactions.

Tin Salts.—Reflecting the decline in Straits metal to 47½c. per pound, the lowest since April, prices for various tin derivatives were easier. Anhydrous tetrachloride of tin was 24¼c. per pound; tin crystals 37c. per pound and stannous chloride of tin 45½c. per pound. World's visible supply of tin at end of the year stood at 25,595 tons, a decline of 3,389 tons for the month and compared with 21,958 tons at the end of 1938.

Zinc Chloride.—Consumers showed a fair interest for moderate quantities. Prices ruled unchanged, and tone of the market was firm.

Acids

Transactions in the market for mineral acids broadened slightly from the year end levels, but most buyers were following a moderate purchasing policy for the present. Favorable conditions prevailed for a continuance of business on an active scale, and buying was expected to gain momentum as the new year progresses. There was little in the way of outstanding developments, and the prices were maintained at firm levels.

Acetic.—Shipments continued at a moderate pace. A steady price tone characterized trading.

Battery.—Seasonal movement to automotive trade. Prices firm.

Chromic.—Quotations held firm. Business steady.

Formic.—Consumers' demands in line with actual requirements. Quotations firm at levels established recently.

Gallic.—Quotations nominal. Buying held to modest levels.

Lactic.—Little feature to dealings. No new price developments.

Muriatic.—Domestic and export demand satisfactory. Firm price tone.

Naphthenic.—Prices strictly nominal. Sellers well booked ahead.

Nitric. — Market position continued strong. Steady movement against contracts.

Oxalic.—Firmness governed dealings. Good export inquiry, but most shipments moving to regular domestic consuming channels.

Phosphoric. — Fair buying interest. Prices well sustained.

Sulphuric.—Demand displayed some evidence of moderate improvement, after holiday lull. Outlook remained favorable, with operations in most basic consuming industries holding at comparatively high levels. Quotations for various grades firm.

Baltimore, Jan. 3.—The market for sulphuric acid is stated to be firm, with inquiries disclosing an absence of surplusage at any of the plants of producers. It was still a case of sellers making the best bargains they could on new contracts, while they continue delivery on old orders not yet completed at the contract prices, while the nominal quotations stood at $12 per ton for

—Continued on page 30

A.&P. Loses Appeal Under Patman Act

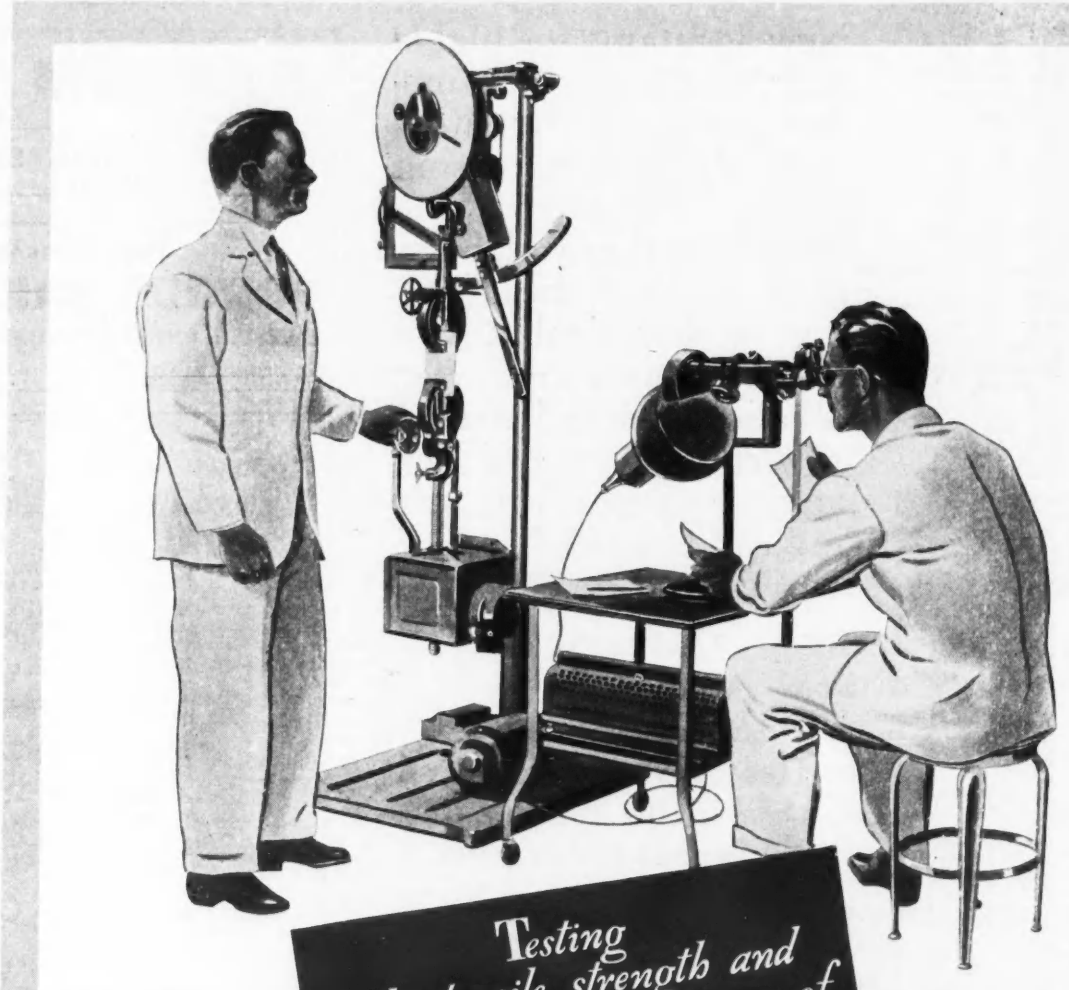
—Continued from page 3

age paragraph, did not set up a condition upon which brokerage could be paid or allowed to a buyer on his own purchases, but that the paragraph absolutely prohibited the payment of such brokerage. The circuit court also held that paragraph (c) was entirely independent of paragraph (a), the general price-discrimination paragraph of the act, and the provisions of the latter could not be read into the former. The court said that paragraph (c) as construed and applied by the commission was not violative of the constitution.

With respect ot the commission's findings as to the facts, the circuit court had said that ". . . we have carefully examined the findings of the commission and the record. Not only are the findings of fact made by the commission supported by the evidence, but we state as our opinion that the commission properly could have reached no other conclusions than those expressed."

This is the second case in which the supreme court has refused to review a circuit court decision affirming a commission order entered under section 2 (c) of the Robinson-Patman act, the other having been in the Biddle Purchasing Company case in which certiorari to the second circuit was denied October 17, 1938.

American Leather Chemists Association will hold its annual meeting May 27 to 29 in The Sagamore, Lake George, New York.



Testing the tensile strength and measuring the whiteness of cloth or other textiles

...Just one phase of Diamond Consumer Research

In addition to supplying the finest, purest alkalies, Diamond strives to make its products most suitable and useful to consumers through Customer Research. ¶ For example, the illustration above shows Diamond Research Engineers testing the tensile strength of cloth, and measuring its whiteness. The information thus obtained is extremely valuable for determining the particular qualities needed by alkalies to make them best suited for laundry operations. ¶ This is but one item in a broad Research program that penetrates into almost every field where alkalies are used. ¶ Diamond Customer Research helps us make alkalies that most perfectly fit your requirements—and enables you to use them most effectively.

ALKALI

DIAMOND ALKALI CO Pittsburgh and Everywhere

Heavy Chemicals

—*Continued from page 29*

Acids

60-degree, and $15 a ton on 66-degree acid. The holiday period, of course, brought a drop in production, with forces at plants taking time off; but output may be expected to swing back to high levels immediately, with the demand of a very urgent character for an indefinite period. The nominal price of oleum is $18 per ton on uncompleted contracts, but as in acid, new business is certain to command materially higher prices.

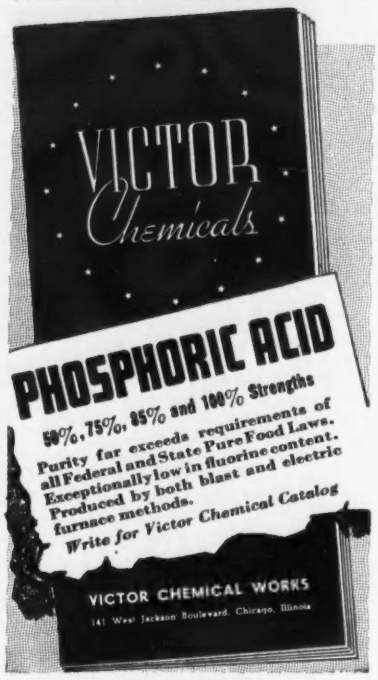
Insecticides

The market for agricultural insecticides and fungicides was quiet last week. It was still too early for any large size movement to distributors and consuming channels, but sellers were prepared to begin shipments on a larger scale in the near future in preparation for the active consuming period. A fair export inquiry still prevailed. Prices were all unchanged, and the market as a whole displayed firmness.

Calcium Arsenate.—The market failed to develop any new feature, trading remained at seasonal levels, and prices were the same.

Lead Arsenate.—Quiet trading prevailed in most directions. Price-wise a firm tone prevailed.

Paris Green.—Dullness surrounded the market. Prices were in line with those prevailing previously.


VICTOR
Chemicals
PHOSPHORIC ACID
50%, 75%, 85% and 100% Strengths
Purity far exceeds requirements of all Federal and State Pure Food Laws.
Exceptionally low in fluorine content.
Produced by both blast and electric furnace methods.
Write for Victor Chemical Catalog
VICTOR CHEMICAL WORKS
141 West Jackson Boulevard, Chicago, Illinois

BARIUM CHLORATE

INTERNATIONAL SELLING CORP. 26 Beaver Street NEW YORK

THE AMERICAN MANUFACTURER OF

POROUS BARIUM OXIDE (Monoxide)

BARIUM AND CHEMICALS, Inc., Dept. A, Willoughby, Ohio

Successors to The J. H. R. Products Co. *Send for informative booklet*

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

New locations for plants and warehouse points, new equipment, new methods, the increasing of quality standards and improving the availability of its products, the affording of technical advice and assistance to users of alkalies—are all *demonstrated* evidence of Solvay's service to American industry.

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Heavy Duty Cleansers
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

Branch Sales Offices:

Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Indianapolis, New Orleans, New York, Syracuse, Philadelphia, Pittsburgh, St. Louis

Some products in the field of our operations may have a definite but undeveloped interest for you. Our entire facilities are available for any mutual study which appears promising. Relationships with enquirers and all details are confidential.

Oldbury
Electro-Chemical
Company

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th St., New York City

Phosphorus and phosphorus products. Sodium chlorate. Potassium perchlorate. Oxalic acid.

Dyestuffs Textile and Leather Chemicals

Buying Continues Conservative — Zinc Dust Slightly Lower —Bichromates Moderately Active — Dyestuffs Remain Quiet —Tanning Materials Unchanged—Corn Derivatives Firm

Dealings in the market for dyestuffs, textile and leather chemicals continued on a conservative scale last week. Consumers were satisfied to make only necessary commitments. Despite the lack of interest, the market lost none of its firmness, the increases made previously represented additional replacement costs in most items. However, consumers bought heavily in most instances when prices were advancing, and had sufficient supplies to take care of immediate needs. With operations holding up well in most consuming lines, a resumption of demand was looked for in the near future. Zinc dust recorded the only price change, reflecting the decline in the basic metal.

Demand for bichromates was moderately active, and sellers were not able to accept all export business. Demand for potash and soda prussiates was moderate. Business in dyestuffs was dull, but prices were well sustained at the levels established previously. New business was not active in corn derivatives, but the market displayed a firmer undertone as a result of the higher prices for the commodity. Egg products were quiet. Prices for tanning materials were well maintained and buying was moderate.

Chemicals

Ammonia Acetate.—Consumers restricted commitments. Prices unchanged.

Ammonia Bichromate.—Small quantities made up the call. Quotations firm.

Alumina Acetate.—Firm price tone, but dealings held to moderate levels.

Alumina Chloride.—Consumers entered market for fair size replacements. No change in the prices.

Antimony Salts.—Spot offerings still limited, and prices were strictly nominal.

Chrome Acetate.—Usual consumers made commitments for nearby needs. Prices were the same.

Potash Bichromate.—Shipments against contracts steady. Export inquiries fairly active. Prices very firm.

Potash Prussiate.—The market failed to record any new developments, prices were unchanged and business was along conservative lines.

Soda Bichromate.—Spot and contract business was moderately active. Export demand remained satisfactory, with offerings restricted. Prices ruled firm.

Soda Prussiate.—There was little broadening in the demand. Pricewise a steady to firm tone predominated.

Sulphonated Oils.—Prices held at the same levels, castor oil was very firm. Transactions were along moderate lines.

Zinc Dust.—Quotations were ¼c. lower, making car lots 7¾c. per pound and less car lots 8¼c. per pound. Decline reflected easier tone in metal market.

Dyestuffs

Annatto.—Market dull. Sellers adhered to prices in force previously.

Archil.—Spot offerings small. Quotations withdrawn.

Cochineal.—Usual consumers made only necessary commitments. Prices displayed firm tone.

Fustic.—Interest from leather and textile trade only moderate. Prices were without change and tone of the market was firm.

Hypernic.—Spot and contract business restricted. Pricewise a firm tone prevailed.

Indigo.—Not much activity in this direction. Prices were unchanged.

Logwood.—Most consumers were content to order when needs became urgent. Prices were well maintained.

Madder Dutch.—No feature to dealings. Prices were in line with those prevailing previously.

Price Changes

Advanced

None

Reduced

Zinc dust, ¼c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
148.5	148.5	149.4	147.1

Market news that may have developed after this report was sent to press will be found on page 4.

Turmeric.—Quotations were nominal. Spot stocks continued small, but interest in market was dull.

Sizing Materials

Albumen, Blood.—Demand sufficient to keep supplies at low levels. Little imported material offered. Prices very firm.

Albumen, Egg.—Buying conservative. Quotations for imported and domestic grades steady.

Corn Sugar.—New business was not very active, shipments moved against old bookings at a steady pace. Prices ruled unchanged.

Dextrin, Corn.—Business was only moderate. Quotations held at previous levels, and the tone of the market was firm. Visible supplies of corn during week ended December 30 increased 1,314,000 bushels.

Dextrin, Potato.—No new price developments. Business fairly steady.

Egg Yolk.—Quiet. Prices were unchanged. Egg production per flock on December 1 was largest on record and 5 percent ahead of November. Prices declined sharply since the middle of November, according to the Department of Agriculture.

Starch, Corn.—Business limited to nearby needs. Prices displayed firmer tone as a result of the higher corn market.

Starch, Wheat.—No further changes occurred in the prices despite the advances in the raw commodity. Demand was moderately active.

Tapioca Flour.—Shipments moved to consuming channels at a satisfactory pace. Prices were steady to firm.

Tanning Materials

Chestnut Extract.—Moderate movement against contracts. Prices firm.

Cutch.—Sellers booking business at the higher levels announced recently covering first quarter contracts. Demand fair.

Gambier.—Shipments well absorbed. Little spot offering, and prices remain nominal.

Hemlock Extract.—Prices firm. Business steady.

Mangrove Bark.—Inquiries not very active. Prices unaltered.

Myrobalans.—Quotations unchanged. Demand moderate.

Quebracho.—Prices without change and firm. Satisfactory buying interest.

Sumac.—Nothing new developed in the prices. Withdrawals fairly steady.

Valonia.—Quotations for beards and cups unchanged. Demand moderately active.

Wattle Bark.—Shipments fair. Prices steady to firm.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 6

Textile Fabrics Finishing Described in New *Dyestuffs*

An article describing the finishing of yarn-dyed fabrics is concluded in the December issue of *Dyestuffs*, quarterly publication of the National Aniline & Chemical Company, manufacturer of dyes and textile processing agents, this city. The first instalment of the article appeared in the previous issue of the organ. Other articles on modern textile practice in the volume concern shade-in-shade dyeing of mixed artificial silk and cotton linings, the determination of copper and manganese in textiles, and the leveling tendencies of wool piece dyeing. Copies of the booklet may be obtained from the offices of the National Aniline & Chemical Company, 40 Rector street, New York, mentioning the REPORTER.

British Nylon Spinners, Ltd., has been jointly formed by Imperial Chemical Industries, Ltd., and Courtaualds, Ltd., for the manufacture of multifilament yarns and syable fibers.

Bromo Seltzer Case Settled by Consent

—Continued from page 3

"Bromo Seltzer" to meet the requirements of the new food, drug, and cosmetic act. The decree, signed by Judge John C. Knox, concludes with the following statement:—

. . . and it is further ordered, adjudged, and decreed that this is a proceeding in rem and that this decree is to be without prejudice to the rights of the United States of America or of the said claimant, the Emerson Drug Company of Baltimore City, in any other litigation, and without prejudice to the right of the claimant to deny in any other or future litigation that the libeled product herein is misbranded or otherwise violates the provisions of the Federal food, drug, and cosmetic act, the court having taken no proof in support of the allegations of the libel and answer.

N.A.I.D.M. Reports Change In Test Insecticide Year

The National Association of Insecticide and Disinfectant Manufacturers has issued the following statement regarding a change in the Official Test Insecticide year:—

The present label on the 1939 Official Test Insecticide reads:—Not valid if used after December 31, 1939. This label statement may be ignored inasmuch as the Official Test Insecticide year hereafter will run from April 1 to April 1. The reason for this change is that the production, packaging and distribution of the material in keeping with these dates is more convenient.

Natural Products Refining Co.
910 Garfield Avenue,
Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS — DYESTUFFS
IMPORT / EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan", N. Y.

NIACET ALDEHYDES
ACETALDEHYDE CROTONALDEHYDE
PARALDEHYDE ACETALDOL
For the manufacture of
Resins Accelerators Dyestuffs
Plastics Antioxidants Organic Chemicals
Solvents Insecticides Flotation Agents
NIACET CHEMICALS CORPORATION P.O. BOX 460 NIAGARA FALLS, NEW YORK

MUTUAL BICHROMATES
MUTUAL CHEMICAL CO. OF AMERICA — MUTUAL — NEW YORK, N.Y.
BICHROMATE OF SODA
BICHROMATE OF POTASH
OXALIC ACID
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA

Phenol
Cresols
Cresylic Acids
Xylenols
Tar Acid Oils
Naphthalene
Industrial and Household
Phthalic Anhydride
Cumar*
Para-coumarone—Para-indene Resin
Rubber Compounding Materials
Coal-Tar Bases
Pyridine, Quinoline, Picolines, etc.
Pickling Inhibitors
Benzol
Toluol
Xylol
Solvent Naphtha
Hi-Flash Solvent
Flotation Reagents
Anhydrous Ammonia
Hydrogenated Coal-Tar Chemicals
Cyclohexane — Methyl Cyclohexane
Methyl Cyclohexanol — Cyclohexanol
Cyclohexanone — Methyl Cyclohexanone

Barrett
CHEMICALS

*Trade Mark Reg. U. S. Pat. Off.

THE BARRETT COMPANY
40 RECTOR STREET NEW YORK, N. Y.
America's leading manufacturer of coal-tar products
ROOFINGS • TARVIA • CHEMICALS

Coaltar Chemicals

General Market Position Firm—Benzol Output Sharply Higher —By-Product Coking Operations During November Record Gain—Stocks of Most Basic Chemicals Remain at Low Levels

While business did not display any sudden spurt after the year end tapering off, sellers were in receipt of sufficient orders to keep the position of the market firm. Aside from current bookings and business carried into the new year, the termination of contract work kept sellers actively engaged.

Benzol production recorded another increase during November over the preceding month, while output was well ahead of the same time a year ago. Reflecting the increase in steel operations, by-product coking output gained moderately. Despite the corresponding increase in tar recovery and light oil production, the heavy demand was sufficient to keep stocks of basic products at minimum levels.

The output of by-product coke for November totaled 4,573,573 tons, an increase of 4.2 percent over October and 39 percent over the November, 1938. The improvement was more pronounced at furnace plants. The total number of plants making coke was 84, of which 80 recovered ammonia and 56 made benzol. At the rate of production in November, total by-product stocks were sufficient to last 17.1 days, compared with 17.8 days at the close of October, according to the Bureau of Mines.

Tar oil recovered during November totaled 55,978,912 gallons, against 55,491,069 gallons in the preceding month and 40,951,327 gallons in November, 1938. For the first 11 months output was 469,103,741 gallons, compared with 356,625,437 gallons in the like period a year ago. Light oil production in November amounted to 18,465,938 gallons, against 18,305,012 gallons in October and 13,450,153 gallons in the same month a year ago. For the first 11 months output aggregated 154,745,179 gallons, contrasted with 117,321,927 gallons in the corresponding period a year ago.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	126.8	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Shipments continued to move against contracts satisfactorily. A fair inquiry prevailed for export. Prices ruled firm and contract work was about completed. Production during November showed further improvement totaling 11,230,000 gallons, against 10,891,000 gallons in the preceding month, an increase of 3.1 percent and compares with 7,619,000 gallons in the corresponding month a year ago. During first 11 months this year production aggregated 90,934,000 gallons, compared with 63,560,000 gallons in the like period a year ago.

Carbazole.—Interest in the market was not very active. No change occurred in the prices, and the tone of the market remained firm.

Coaltar.—Market lacked new developments. Shipments were routine and prices were without alteration.

Creosote Oil. — Shipments moved against contracts at a moderate pace. Prices ruled unchanged and the tone of the market was firm.

Cresol.—The market position remained strong, sellers continued to concentrate on making deliveries against contracts. Spot position was tight.

Cresylic Acid.—While demand was somewhat moderated, sufficient orders remained on sellers' books to keep the market in a favorable position. Contract work progressed well. Shipments from abroad were not very large and inquiries restricted. Quotations held firm.

Naphthalene.—Dealings in crude were routine, with spot business negligible. Refined moved fairly steady against contracts. Some imported material arrived, with quotations around $2.90 per 100 pounds.

Oil, Shingle Stain.—There was little feature to the dealings. Pricewise a firm tone predominated.

Phenol.—A moderately active demand prevailed. Inquiries for export were not large. Prices ruled the same and a steady to firm tone prevailed.

Pitch, Coaltar.—Consumers exerted a mild interest. No change occurred in the quotations.

Pyridin.—Market position remained strong. Shipments against contracts steady.

Solvent High-Flash.—Buying was held to moderate levels. Prices were without alteration.

Toluol.—Demand was sufficient to absorb available supplies. Sellers still had good sized amount of forward bookings. Exports inquiries active.

Xylol.—Firmness characterized trading. Shipments against contracts steady.

Chicago Coaltar Bases

Coaltar basese are quiet but firm. With trade opening the new year, buyers are displaying a little more interest in filling their requirements. Benzol business is reported rather good. New supplies are keeping up rather high, but it appears there is no surplus of an extensive nature. Ruling prices are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Dealings held to modest levels. Prices firm.

Broenner's.—Withdrawals strictly routine. No change in the prices.

Chlorosulphonic.—Interest in the market remained moderate. Firm price tone.

Cleve's.—Usual consumers took necessary replacements. Quotations unchanged.

Fumaric.—Spot and contract shipments moderate. Firm price tone.

Gamma.—Trading without special feature, and prices without change.

H.—Firmness characterized market, although buying was rather limited.

Laurent's.—Little broadening in demand, no change in the quotations.

Maleic.—Fair interest against contracts. Prices unchanged and firm.

—Continued on page 33

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 6

Chemical Imports at N. Y. Analyzed by Tariff Board

—Continued from page 5

The separate items valued at more than $1,000 imported through New York during 1938 under paragraph 5 were as follows:—

	Quantity. Lbs.	Value.	Countries of shipment.*
Acetopep	11,023	$3,824	G.
1-Acetoxy-3-bromopentanon-4†	78	11,849	Sw.
Allantoin	286	1,999	Sw.
Alpha lobeline Ingelhein	55	4,040	G.
Amidoguanidine sulfate	1,000	2,366	G.
Ammoniated glycyrrhizin	1,984	2,525	G.
Ammonium bifluoride	7,165	1,224	G.
Ammonium oxalate.	20,437	4,211	G.
Ammonium persulfate	12,677	1,088	Sw., Ne.
Appretan	6,000	1,500	G.
Atropine sulfate...	53	1,731	Sw., G., U.K.
Barium chlorate...	34,542	3,364	F., G.
Bromovalerylurea powder	441	1,700	F.
Calcium monoiodobehenate	200	1,207	Sw.
Cetyl alcohol	12,502	2,345	G.
Cinnamyl-ephedrine hydrochloride	59	1,812	G.
Corpus luteum	...	3,359	Sw.
Creosote carbonate.	9,029	5,794	G., Sw., U.K.
Cyanotypin	2,646	1,353	G.
Dehydrocholic acid.	124	1,349	Sw.
Diacetone-gulosonic acid	2,205	11,628	Sw.
Dichloroethylene	28,994	4,062	G.
Diethylamine	2,205	2,861	G.
Digitalin	10	1,306	G.
Digitonin	13	2,692	Sw.
Dihydrotachysterol oily solution	41	3,543	G.
Diiodotyrosine	88	3,849	Sw.
Dimethyl oxypurine	2,000	8,026	G.
Dry bitterstuff	881	6,499	G.
Elrassal-melting flux	...	4,324	G.
Embrocation Royal.	...	1,591	U.K.
Emetine hydrochloride	55	7,920	Sw., G., U.K.
Ephedrine alkaloid.	126	3,496	G., F.
Ephedrine hydrochloride	163	4,385	G.
Ergometrine acid maleate	...	1,660	U.K.
Ergosterium	20	1,663	G.
Ergosterol	...	23,456	G., F., Sw.,U.K.
Eserine sulfate	...	1,008	Sw., G.
Ethyl diiodobrassidate	2,684	8,406	Sw.
Ethyl ester of tropic acid	562	3,447	Sw.
Eupine Vernade	705	1,023	F.
Face powder base..	5,900	4,363	G.
Faral	12,648	3,105	Ne.
Gardinol	26,274	12,234	G.
Gomenolea	...	1,509	F.
Hemoglobin scales..	1,000	1,706	U.K.
Heavy water	11	2,263	Nor.
Intestinal mucous membrane	...	1,161	G.
Iodalose	...	1,520	F.
Iodized solution	4,176	5,192	F.
Iron lactate	1,101	1,228	G.
Kasenit	12,000	3,758	U.K.
Kilfrost paste	9,552	3,323	U.K.
Lanasan B	...	1,703	Sw.
Lauritzen boiler water purifying bricks	...	1,377	D.
Lipoid extract	...	2,614	G.
Lipoidol	...	8,497	F.
Lipoidol solution	...	5,346	F.
Magnesia san pellegrino	...	1,975	F.
Magnesium hydrate	47,525	6,333	U.K.
Magnesium trisilicate	14,725	4,845	U.K.
Maprofix	31,691	7,052	Ne.
Mapromal	4,863	1,191	Ne.
Mapronin	12,286	2,960	Ne.
Medicinal inhalent..	...	5,181	U.K.
Methyl-amino-pyrimidine-methyl-methyloxy-ethyl-thiozolium chloride hydrochloride	33	30,930	Sw.
2-Methyl-4-amino-5-thioformyl-amino-methyl-pyrimidine.	57	34,053	Sw.
2-Methyl-5-chloro-methyl-6-amino-pyrimidine hydrochloride	2	1,725	G.
2-Methyl-5-chloro-methyl-6-amino-pyrimidine hydrochloride	2	1,726	G.
Methylene chloride.	8,267	1,043	G.
4-Methyl-5-oxyethyl-thiazol	53	21,574	G.
2-Methyl-5-oxy-methyl-6-amino-pyridine hydrochloride	50	28,747	G.
Mixture of oxy-amines and fatty acid esters.	2,264	1,344	G.
Nucleinic acid	150	2,186	G.
Oenanthol	...	5,345	F.
Oestrone crystals	...	2,250	H.
Pancreas powder and hemicellulose	595	2,641	G.
Peptone	678	3,624	G., F.
Pilocarpine hydrochloride	147	4,528	G., Sw., U.K.
Pituitary extract	...	6,206	Ne., G., H.
Potassium chrome alum	149,562	4,584	B., G.
Potassium meta bisulfite	168,108	19,154	G.,U.K., F.
Potassium oestradiol	207	30,000	G.
Potassium oxalate.	11,683	2,432	G., Ne.
Potassium sulfocyanide	20,584	9,892	U.K.,G.
Pregnancy extract..	...	10,560	Ne.
Pregnenolon	...	3,000	G.
Priol	4,951	1,077	Ne.
Progesterone	...	5,416	G., H.
Quinoline estione	...	12,000	G.
Ratin (mice exterminator)	...	5,921	D., Nor., Cz.
Reducine	1,120	3,169	I., U.K.
Salicylic esters of dihydroxy-ethane.	475	1,206	U.K.
Sandofix	...	3,901	Sw.
Sandoptal	75	2,460	Sw.
Scopolamine	...	1,473	F.
Sodium acid pyrophosphate	8,959	1,038	G.
Sodium alginate.	3,696	2,175	U.K.
Sodium cholate oxydate	1,984	11,777	G.
Sodium dehydrocholate	...	1,951	G.
Sodium nitroprusside	932	1,075	G.
Sodium salt of mercury-hydroxy-methoxy-allylamide-trimethyl-cyclopentane-dicarbonic acid	715	11,397	H.
Stecker salt	1,600	3,522	G.
Strontium chloride..	28,734	2,656	G.
Sufix	4,749	1,045	Ne.
Sulphichton	5,511	1,588	S.U.
Sumol	32,500	7,087	Ne.
Testicular extract..	46	1,399	Sw.
Testosterone propionate	...	18,283	Sw.
Thallium sulfate.	950	3,839	G.
Thiourea C.P.	...	10,687	G.
Thiourea, crude	56,330	12,456	G.
Triethylamine	6,045	3,885	G.
Urine concentrate..	...	136,451	G., Ne.
Valeriane compose..	...	3,350	F.
Vitamin C, crude	2,770	63,805	Can.
Vitamin D3 and cholesterin	...	1,992	G.
Vitamin D crystals.	...	2,257	Sw.
Vitamin D from mussel sterol	...	3,300	Ne.
Yohimbine hydrochloride	94	1,990	Sw.
Zinc ammonium chloride	187,066	6,782	B.

* Country of original shipment symbolized as follows:—B, Belgium; Can., Canada; Cz., Czechoslovakia; D, Denmark; F, France; G, Germany; H, Hungary; I, Ireland; Ne, Netherlands; Nor, Norway; SU, Soviet Union; Sw, Switzerland; and UK, United Kingdom.

† In August, 1939, held dutiable as a bromine compound under paragraph 45.

Phelps Dodge to Enlarge Texas Refining Facilities

The Phelps Dodge Refining Company plans enlarging refining facilities at its El Paso, Texas, plant, in connection with the $35,000,000 mining development at Morenci, Arizona. The expansion now in the blue print stage was expected to be carried out some time in 1941. The Morenci development is expected to be completed for operation in 1942.

Coaltar Chemicals

Coaltar Acids

—Continued from page 32

Picric.—Market fully retained its strong position, with business moderately active.

Salicylic.—Consumers pursued conservative purchasing policy. Prices unaltered.

Sulphanilic.—Business failed to expand, but market held firm.

Tobias.—A steady to firm price tone prevailed while buying was held to nearby requirements.

Coaltar Intermediates

Alphanaphthol.—Activity restricted to nearby needs. Prices the same.

Anilin.—Interest maintained at moderate levels. Quotations well maintained.

Benzidin Base.—No new developments of importance, buying routine.

Betanaphthylamine.—Usual consumers provided market with fair support. Prices remain firm.

Dimethylanilin. — Price tone firm. Spot and contract withdrawals only moderate.

Dinitrobenzene.—Demand moderately active. Quotations hold firm.

Dinitrophenol. — Shipments against contracts at fair levels. No change occurred in the prices.

Dinitrotoluene.—Market position was strong. Shipments confined to regular consumers.

Metaphenylenediamine. — Dealings held to small lots as a rule. Prices unchanged and firm.

Nitrobenzene. — Activity sufficient to keep market in firm position.

Orthonitrotoluene. — Trading chiefly restricted to regular consumers. Prices firm.

Paranitroanilin.—Firm price tone remained in evidence. Buying on moderate scale.

Phthalic, Anhydride.—Volume, while not as heavy, was sufficient to keep market in satisfactory position. Prices unchanged and firm.

UNIFORM

DEPENDABLE

KOPPERS

Coal Tar Solvents

BENZOL—ALL GRADES

TOLUOL—INDUSTRIAL AND NITRATION

XYLOL—10° AND INDUSTRIAL

SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol ...Cresylic Acid—99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars...Tar Acid Oils...Pitch Coke...Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials...Bituminous-base Paints...Coal...Coke...Tanks and Tank Work...Removal and Recovery Systems...Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

KOPPERS COMPANY PITTSBURGH PENNA.

R. Salt.—Quiet conditions prevailed in this direction. Quotations unchanged.

Sodium Naphthionate.—Routine dealings. No change developed in the quotations.

Thiocarbanilide. — Business held to moderate proportions. Prices firm.

Xylidin. — Usual consumers entered market for necessary requirements. Prices the same and tone of market firm.

Coaltar Colors

While there was some evidence of a slight pick up in business, most consumers were content to follow a moderate purchasing policy for the present. The outlook remained encouraging, with operations in practically all basic consuming industries at comparatively high levels. Sellers had little difficulty in writing contracts for this year's requirements, and with the exception of a few tardy returns, the work was virtually completed. A good export inquiry continued to prevail, and sellers were in a position to take advantage of some of the business. The general tone of the market remained firm.

Imports of coaltar dyes into Japan in the first three quarters of 1939 totaled 482,061 kin, compared with 301,282 kin in the corresponding period of 1938.

British Dyemakers Elect

The British Colour Makers Association elected the following officers at its recent annual meeting:—Chairman, J. B. Dunn, of Champion Druce & Co.; vice-chairman, J. Crombie, of James Anderson & Co. (Colours), Ltd.; honorary treasurer, C. J. A. Cowan, of Cowan Brothers (Stratford), Ltd.; secretary, J. Davidson Pratt, general manager of the Association of British Chemical Manufacturers. The members of the new council are:—Elected, J. Crombie, of James Anderson & Co. (Colours), Ltd.; H. Ralph, of Lewis Berger & Sons, Ltd.; P. R. Koekkoek, of the British Dyestuffs Corporation; J. B. Dunn, of Champion Druce & Co., and H. G. Ferguson, of the Cornbrook Chemical Company; coopted, A. H. Orchard, of the Golden Valley Ocher & Oxide Company, and S. W. Greig, of W. H. Holmes & Sons. The headquarters of the association is now at 166 Piccadilly, London, W.1.

Excise Tax Yield Rise Is Expected

—Continued from page 3

act of 1939. Increases are also estimated in the other manufacturers' excise taxes on electrical energy, tires and inner tubes, automobiles, trucks, and accessories, radios and phonographs, mechanical refrigerators, and firearms.

The tax on transportation of oil by pipeline is estimated to yield $14,300,000 in 1941 and $12,300,000 in 1940, against an actual yield of $10,954,732 in 1939. The various oleomargarin taxes are estimated to yield $2,700,000 in 1941 and $2,500,000 in 1940, compared with an actual yield of $2,231,750 in 1939. The tax on the processing of coconut and other vegetable oils is estimated at $8,400,000 in both 1941 and 1940, compared with an actual yield of $9,125,613 in 1939.

Pickling Bath Addition Agent Developed by Enthone Co.

A pickling bath addition agent, "Pickleen," has been developed by the Enthone Company, New Haven, Conn., which it is stated effects a marked lowering in the surface tension of the sulphuric or muriatic acid solutions and thus results in a saving of acid from drag-out. The agent is not claimed to be an inhibitor. It is also said to exhibit excellent cleaning action on the material being pickled. A sample and literature describing "Pickleen," bulletin 41, may be secured by addressing the Enthone Company, 442 Elm street, New Haven, Conn., mentioning the REPORTER.

REPUBLIC BENZOLS

1° – 2° – 90% · MOTOR

REPUBLIC STEEL REG. U.S. PAT. OFF.

ALSO

TOLUOLS
Nitration-Commercial

XYLOLS
3° — 5° — 10° — Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio · Warren, Ohio · Youngstown, Ohio
Canton, Ohio · Massillon, Ohio · Gadsden, Alabama · Birmingham, Alabama

Drug Law Activities Reviewed by Wallace

—Continued from page 5

adulteration. Most foods, however, pass through some form of processing or manufacturing before they reach the consumer. If they undergo adulteration in the course of their journey from the farmer to the consumer the farmer suffers in various ways. Adulteration of natural agricultural products with substitutes reduces the demand for the farmer's products. Consumer distaste caused by the marketing of lower-grade products further reduces the demand. The farmer's burden is increased still more if he is obliged to buy back the manufactured product of the farm after its qualify has been impaired by adulteration.

Maintenance of high standards in food and drug manufacture, as required by the food, drug, and cosmetic act, is an essential part of the whole job of producing high-quality farm products. The law assures the farmer that the good-quality products he has raised will not be debased on their way from the farm to the consumer's table. It protects his livestock against worthless veterinary preparations and thereby prevents serious losses. In recent years interstate commerce in medicinal products falsely and fraudulently labeled as having therapeutic value in contagious abortion of cattle, in hog cholera, in tuberculosis of livestock, and many other serious stock diseases has become practically nonexistent through the enforcement of the law.

The Logical Agency

It is logical that the Department of Agriculture should be charged with the enforcement of the new food, drug, and cosmetic act approved on June 25, 1938, as it was with the administration of the older law, the food and drugs act of June 30, 1906. The food supply and to some extent the drug supply are largely products of agriculture. Moreover, the department gathers comprehensive information on food production, food composition, and food processing, which is available to the enforcement officials and is invaluable as a guide in enforcement operations.

Three of the provisions of the new food, drug, and cosmetic act, all of them vitally important to the public health, became effective at once. These were:—(1) The requirement, growing out of the fatal elixir sulphanilamide episode of 1937, that no new drug be introduced in interstate traffic unless an application filed with the Secretary of Agriculture establishes that it is safe for use; (2) the ban on drugs and devices, dangerous to health when used in the dosage, or with the frequency or duration prescribed, recommended, or suggested in the labeling; and (3) the prohibition on traffic in dangerous cosmetics.

The Food and Drug Administration took immediate steps to effectuate these provisions of the law. Within three weeks after the passage of the act it completed necessary preliminaries by locating interstate shipments, and collecting and analyzing samples. Thereupon seizures were directed against eyelash dyes containing the sight-destroying coaltar color, paraphenylenediamine. Every consignment of this type of dye which could be found was seized, and criminal prosecutions were instituted. Other dangerous types of cosmetics proceeded against in the course of the year included skin bleaches containing mercury compounds, and lipsticks containing the toxic metals, cadmium and selenium. Similar actions were directed against drugs and devices dangerous to the user when employed in accordance with label directions. A total of 166 legal actions were instituted under the new law during the year.

Between June 25, 1938, and June 30, 1939, 1,277 applications covering new medicinal products were received and reviewed by the Food and Drug Administration to determine whether the drugs were safe for use. Of the 1,107 applications reviewed before the end of the year, 683 were made effective under the act, 376 were held in a pending status awaiting further information from the applicants, and forty-eight were withdrawn by the applicants.

Cooperation of Industries

The statute, in addition to making effective its new public health safeguards, authorized the department to proceed with the formulation of the many regulations required. This entailed time-consuming hearings in which members of the Food and Drug Administration, the solicitor's office, and representatives of the food, drug, and cosmetic industries and the public participated. Many of the most essential regulations have now been promulgated. The preliminary steps in the formulation of definitions and standards for food products have also been taken. In the hearings on food standards the cooperation of consumer representatives who made known consumer views was invaluable. The act is designed as a consumer statute, and its purpose will not be served if it does not guarantee the consumer honestly labeled and honestly manufactured foods and drugs.

A commendable spirit has been manifested by the industries in meeting the new requirements. For the most part earnest efforts were made to complete required label revisions before June 25, 1939, when the new law was to become fully effective. Toward the end of the year, however, a movement began, actuated undoubtedly in part by an honest fear that insufficient time remained to complete label revisions before the deadline and in part by a spirit of procrastination, for postponement of the new labeling requirements by legislative amendment. The effort was successful; for an amendment, approved June 23, 1939, extended the effective date of the labeling requirements to January 1, 1940, with limited provisions authorizing the secretary in specified cases to grant a further postponement until July 1, 1940. Consumers to some extent, therefore, will be denied for a time the fully informative labeling called for by the act. Meanwhile, however, numerous manufacturers have wisely determined to meet all new labeling requirements immediately. Consumers who seriously desire to acquire the full benefits of this new statute will develop the habit of intelligent label-reading of foods and drugs. When the law becomes fully effective, labels will reveal much valuable information which heretofore has been denied the buyer and which should facilitate wise selection and use.

Drug Act Enforcement Report Filed by D. of J.

—Continued from page 5

A case of special interest is United States v. 24 Packages, more or less, of "Z G Herbs" filed in the district court of the United States for the Eastern district of Michigan alleging that the article was misbranded in that statements appearing on the cartons were false and fraudulent therapeutic claims. The claimant, Sinclair J. Stanley, introduced records of a criminal case (filed in the Northern district of Illinois) decided in his favor based on the same transaction and shipment, and moved for dismissal on the grounds of res judicata. The court held that the decision in the criminal case was not res judicata in the libel proceeding. After hearing the testimony judgment was rendered for the government.

Drug and Cosmetic Act

During the year the Department of Agriculture reported six criminal cases and 245 civil cases. In one criminal case the defendants pleaded nolo contendere and the court imposed a fine of $3,450. One hundred and ninety-six civil cases were terminated as follows:—in 176, default decrees of destruction were entered; three consent decrees were entered and the goods released under bond for reconditioning; seventeen cases were dismissed (chiefly because no seizure of the goods had been effected). On July 1, 1939, there were pending five criminal and forty-nine civil cases.

Caustic Poison Act

One criminal case was pending on July 1, 1938. During the year six civil cases and five criminal cases were reported and referred for prosecution. One criminal case was terminated by a plea of guilty and the imposition of a fine of $50. Five civil cases were terminated by default decrees of destruction. On June 30, 1939, five criminal cases and one civil case were pending.

Insecticide Act

On July 1, 1938, twenty-seven cases were pending, twenty-two of which were criminal and five civil. During the year eighty-two cases were reported and referred for prosecution of which forty-five were criminal and thirty-seven civil. Forty-two criminal cases were disposed of as follows; thirty-three by pleas of guilty; six by pleas of nolo contendere; two by verdicts of guilty; one dismissed. Fines totaling $5,207 were imposed. Of the thirty-two civil cases, twenty-eight were terminated by default decrees of condemnation and destruction, three by consent decrees and one dismissed. Twenty-five criminal cases and ten civil cases were pending on June 30, 1939.

Federal Trade Commission Act

The Federal Trade Commission, pertaining to false advertisement of food, drugs, devices and cosmetics, sections 5 (L), 12, 14, 15 and 16, certified the facts in three cases and two were referred for prosecution. In one case both civil and criminal proceedings were instituted; in the other, civil penalty proceedings were instituted.

Paint, Varnish, Lacquer Sales Up

The value of paint, varnish, lacquer and fillers sold in November, as reported by 680 establishments to the Bureau of Census, was $30,472,039. Details of sales reported by these establishments and comparative data for 1938 follow:—

	Classified sales reported by 580 establishments					Unclassified
1939.	Total sales reported by 680 establishments.	Trade sales of paint, varnish, and lacquer.	Industrial sales Total.	Industrial sales Paint and varnish.	Industrial sales Lacquer.	sales reported by 100 establishments.
January	$25,166,042	$12,496,706	$10,269,334	$6,942,879	$3,326,455	$2,400,002
February	25,399,464	13,145,314	10,019,901	6,777,622	3,242,279	2,234,249
March	32,888,357	17,656,995	12,112,220	8,278,015	3,834,205	3,119,142
April	33,999,205	18,862,040	11,843,829	8,581,577	3,262,252	3,293,336
May	41,853,977	25,436,932	12,578,360	9,259,538	3,318,822	3,838,685
June	38,504,857	22,341,180	12,585,957	9,328,873	3,257,084	3,577,720
July	30,758,617	17,215,946	10,713,443	7,982,902	2,730,541	2,829,228
August	34,448,530	19,046,555	12,153,308	8,842,098	3,311,210	3,248,667
September	38,379,427	21,413,297	13,381,467	9,539,705	3,841,762	3,584,663
October	35,827,911	18,446,640	14,007,459	9,718,446	4,288,993	3,353,812
November	30,472,039	14,980,510	12,842,932	9,063,230	3,779,702	2,648,597
Totals	$367,698,426	$201,062,115	$132,508,210	$94,314,905	$38,193,305	$34,128,101
1938.						
Jan. to Oct.	$300,147,474	$172,894,590	$97,113,405	$68,076,844	$29,036,561	$30,139,479
November	26,253,314	13,183,545	10,638,281	6,950,589	3,687,692	2,431,488
Totals	$326,400,788	$186,078,135	$107,751,686	$75,027,433	$32,724,253	$32,570,967

Bonnie Heads Color Makers

Sevier Bonnie, vice-president of the Kentucky Color & Chemical Company, Louisville, has been elected president of the Dry Color Manufacturers' Association.

Alabama Paint Company, Birmingham, has undertaken an expansion program which includes the installation of new machinery, adoption of new labels and trademark and an extension of its sales program.

N.E. Lecture Course Preceded by Radio Talk

As a prelimiary to the course of eight lectures on "Paint—Its Use, Application, Composition, Purchase and Sale," to be given by the New England Paint and Varnish Production Club, collaborating with the Massachusetts division of university extension there will be a fifteen-minute broadcast on the Boston station, WHDH, January 13, at one p.m. Edward F. Maloney, vice-president of Atlantic Research Associates, Inc., Newtonville, Mass., will give the broadcast.

The lecture course starts January 15 at 7:30 p.m. at the Massachusetts Institute of Technology. Succeeding lectures will be on consecutive Monday evenings. The course is nontechnical with particular appeal to sales and purchasing personnel, raw material suppliers and all paint users. The charge for the course is $5. The subject of the lectures and their respective speakers are:—

No. 1, General Introduction to Products of the Paint Industry, Dr. Robert J. Moore, of the Bakelite Corporation, Bloomfield, N. J.

No. 2, Raw Materials—Pigments, Harley A. Nelson, of the N. J. Zinc Company, Palmerton, N. J., and Kenneth Donahue, of the Imperial Paper & Color Works, Glens Falls, N. Y.

No. 3, Raw Materials—Vehicles, Solvents, Driers, Dr. Joseph Mattiello, of the Hilo Varnish Corporation, Brooklyn, N. Y.

No. 4, Application—Exterior Finishes, D. H. Parker and J. F. Brocker, both of Krebs Pigment & Color Company.

No. 5, Manufacture—Vehicles and Paints and Enamels, Dr. J. S. Long, of Devoe & Raynolds Company, Louisville.

No. 6, Application—Interior Finishes, Roy E. Troutman, of the Krebs Pigment & Color Company.

No. 7, Application—Industrial Finishes, Dr. Gerald Barrett, of the Monsanto Chemical Company, Everett, Mass.

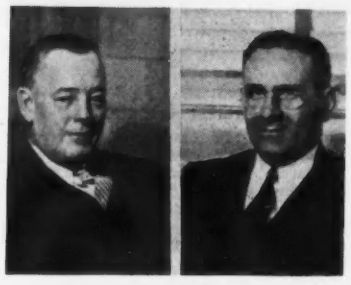
No. 8, Decorations and Styling, John Alcott, Dedham, Mass.

Merchandising, John J. Bradley, Jr., of Bird & Son, Inc., East Walpole, Mass.

Present and Future Trends, John J. Bradley, Jr.

National Oil Promotes Post and Carlat

Dr. Charles I. Post, formerly manager of the 'Vitex' and special markets divisions of the National Oil Products Company, Harrison, N. J., has been appointed general salesmanager of vitamin sales division of the National Oil Products Company, according to Perc S. Brown, vice-president in charge of vitamin divisions. Dr. Post will direct the agricultural department, 'Vitex' division, special markets division, and the advertising and sales promotion department servicing these units.



C. I. Post S. S. Carlat

Samuel S. Carlat, formerly salesmanager of the special markets division, will become manager of this division, also continuing his present duties as salesmanager.

U.S. Revenue Returns Show Gain in November

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for November, 1939, compared with November last year as follows:—

Taxes Collected

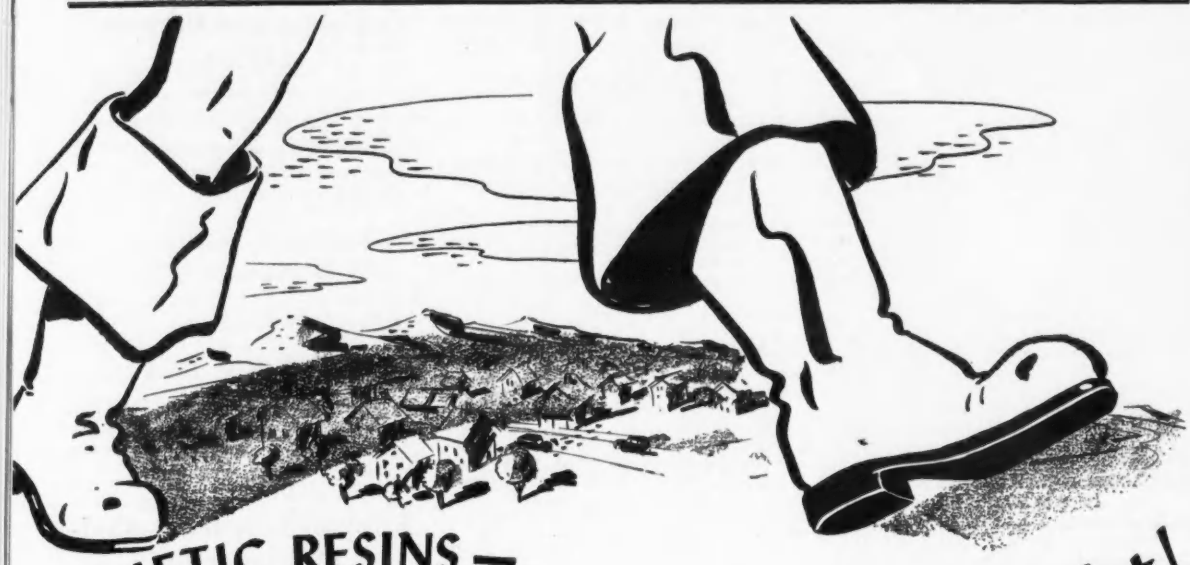
	November 1939.	November 1938.
Coconut, etc., oils, processed	$2,575,412.31	$2,659,991.24
Distilled spirits, domestic, excise tax $2.25 per gallon	34,565,868.70	31,130,416.33
Distilled spirits, imported, excise tax $2.25 per gallon	2,240,917.05	2,850,727.40
Gasoline	18,425,741.09	18,808,896.88
Lubricating oils	2,987,654.70	2,469,541.39
Matches	744.94	5,886.31
Narcotics, including special taxes	22,205.90	24,518.59
Oleomargarin, excise taxes	70,707.87	79,922.52
Oleomargarin, special taxes	23,365.25	22,767.99
Toilet preparations	592,248.09	825,462.73
Transportation of oil by pipeline	1,038,951.34	1,013,354.78
Total internal revenue	$339,614,728.23	$304,571,878.58

Quantities Taxed

	November 1939.	November 1938.
Distilled spirits, domestic, tax gallons	15,659,684	14,053,921
Distilled spirits, imported, tax gallons	1,088,519	1,372,171
Distilled spirits, rectified, proof gallons	5,610,784	4,665,955
Oleomargarin, colored, pounds	26,307	33,618
Oleomargarin, uncolored	27,230,808	30,543,808

Glidden Outlook Good Says Adrian D. Joyce

Prospects are good for increased returns for the ensuing year, Adrian D. Joyce, president of the Glidden Company, paint manufacturer, Cleveland, reported in a letter to stockholders on earnings for the fiscal year ending October 31, 1939. The company reported a net profit of $1,853,549, or $1.70 a share on the common stock. This compared with $205,597 in the same period in the preceding year. Sales totaled $47,224,047, against $44,049,023 in 1938.



SYNTHETIC RESINS—
The Giant that Grew Overnight!

Outstanding phenomenon of the depression decade was the amazing invasion of the coatings field by new synthetic resins.

A most valuable member of this new group of coating-resin chemicals is Maleic (Toxilic) Acid . . . first produced by National by a new process, first offered in commercial quantities by National, and first made available by National in its more convenient Anhydride form.

As the pioneer producer, it is only natural that National has accumulated an unduplicated background of technical experience and has expanded production facilities to become the principal supplier of Maleic (Toxilic) Anhydride to the resin industry.

National produces Maleic (Toxilic) Anhydride directly by controlled catalytic oxidation of benzol as a primary product, rather than as a by-product. This is your assurance of an unfailing source of supply which is never dependent upon the production of other chemicals. We invite your inquiry for samples, quotations and technical information.

MALEIC (TOXILIC) ANHYDRIDE

NATIONAL ANILINE & CHEMICAL COMPANY, INC.

Intermediates Division: 40 RECTOR STREET • NEW YORK, N. Y. • BOwling Green 9-2240

BOSTON . . . . 150 Causeway St.
PROVIDENCE . . 15 Westminster St.
CHICAGO . . . . 357 W. Erie St.
PHILADELPHIA . . 200-204 S. Front St.
SAN FRANCISCO . . 517 Howard St.
CHARLOTTE . . 201-203 W. First St.
GREENSBORO Jefferson Standard Bldg.
ATLANTA . . . . 140 Peachtree St.
NEW ORLEANS . Masonic Temple Bldg.
CHATTANOOGA . . . . James Bldg.
PORTLAND, ORE. 646 N. Thompson St.
TORONTO . 137-145 Wellington St., W.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-seventy-ninth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

1-Aminoanthraquinone-2-carboxylmethyl-glucamide

Cellulose Products

Red dye (Brit. 488863) for—
Cellulose esters and ethers

Dye

Intermediate (Brit. 488863) in making—
Dyestuffs

Barium Chloride

(Barii Chloridum, Bariumchlorid, Baryum Chloratum, Chlorbarium, Chlorbaryum, Chloride of Baryta, Chlorure de Baryum, Cloruro de Bario, Cloruro di Bario, Salzsauresbarium)

Adhesives

Ingredient of—
Adhesive compositions, in admixture with dextrin (U.S. 1337382)
Starch pastes (U.S. 1357310)
Vegetable glues (U.S. 1357310)

Analysis

Reagent in—
Analytical processes involving control and research in science and industry
Water analysis

Reagent in detecting—
Chromates Sulphates
Fluorides

Reagent in estimating—
Lactic acid in urine

Reagent in standardizing—
Soap solutions

Animal Husbandry

Used (with great caution) in treating horses and cattle

Automotive Specialties

Ingredient (French 683147) of—
Radiator antifreeze, in admixture with sodium chloride

Building Construction

Filler (French 669208) in—
Magnesium cement artificial stone floorings

Waterproofing agent (U.S. 1256324) for—
Gypsum building material

Cement and Concrete

Process material in making—
Cement Concrete

Process material in making miscellaneous patented products, such as—
Cement (U.S. 1456667)
Portland cement (U.S. 1239912 and 1250291)
Waterproof cement (U.S. 1285636)

Ceramic

Reagent for—
Removing sulphates which, among other things, cause efflorescence

Chemical

Catalyst (U.S. 1924762, 1924763, 1924764, 1924765, 1924766, 1924767, 1924768, 1924769) and ingredient of catalytic mixtures used in making carboxylic acids from—

Amylene	Hexylene
Butylene	Melene
Cerotene	Nonylene
Decylene	Octadecylene
Dodecylene	Octylene
Eicosylene	Pentadecylene
Ethylene	Propylene
Heptylene	Tetradecylene
Hexadecylene (cetene)	Tridecylene
	Undecylene

Catalyst (U.S. 1477047) in making—
Allyl chloride
Chlorinating agent in making—
Chlorhydrin ethers (Brit. 404938)
Chlorhydrins (Brit. 404938)
Halides
Metallic chlorides
Olefin acid extracts (U.S. 1440976)
Various chemicals
Decomposing agent (U.S. 1357482) for—
Phenolphthalein alkali carbonate compound
Neutralizing agent (U.S. 1361866 and 1361867) for—
Sulphuric acid in titanium hydroxide solutions

Process material in making—
Acetaldehyde (U.S. 1511754)
Alcohol (U.S. 1284739, 1284740, and 1511754)
Aluminum fluoride (U.S. 1518872)
Artificial barium sulphate (blanc fixe)
Barium acetylsalicylate (U. S. 1217862)
Calcium carbide (U.S. 1486618)
Calcium chloride (U.S. 1146491)
Catalysts (U.S. 1172062; 1222660)
Cobalt chloride (U.S. 1247413)
Copper chloride (U.S. 1247413)
Copper vanadate (U.S. 1165693)
Cyclohexene (U.S. 1221382)
Cyclopentene (U.S. 1221382)
Dihydrobenzene (U.S. 1221382)
Decolorizing carbons (U.S. 1250228)
Glycerin (U.S. 1511754)
Iron vanadate (U.S. 1165693)
Lead vanadate (U.S. 1165693)
Magnesium chloride (U.S. 1262939)
Nickel chloride (U.S. 1247413)
Potassium chlorate (U.S. 1247619)
Potassium chloride (U.S. 1239912, 1247619, and 1250291)
Potassium hydroxide (U.S. 1247619)
Sodium cyanamide (U.S. 1160811)
Sodium cyanide (U.S. 1160811)
Sodium uranylcarbonate (U. S. 1165693)
Sodium vanadate (U.S. 1165693)
Titanium dioxide (U.S. 1189229)
Titanium hydroxide (U.S. 1504673)
Titanium oxide (U.S. 1343441 and 1504673)
Zinc chloride (U.S. 1247413)

Promoter (U.S. 1271013) for—
Catalysts

Purifying agent for—
Salt brines
Sodium chloride (U.S. 1475563)

Starting point in making—
Barium carbonate (U.S. 1191106 and 1378595)
Barium fluosilicate (U.S. 1518872)
Barium hydroxide (U.S. 1396315 and 1460180)
Barium nitrate (U.S. 1273824)
Barium salts
Barium stearate (U.S. 1292404)
Barium sulphate (U.S. 1146491, 1165693, 1303426, and 1360312)
Barium thiosulphate (U.S. 1406197)
Barium trinitroresorcinate (U.S. 1308393)
Barium vanadate (U.S. 1165693)

Dye

Process material in making—
Color lakes
2-Aminoanthraquinone (U.S. 1338363, 1338364, and 1340603)

Process material in making various color lakes (U.S. 1126591, 1126664, 1232551, 1232552, 1358007, 1369252, 1378418, 1434619, and 1445331; French 608301)

Process material (U.S. 1303426) in—
Recovering dyestuffs

Electrical

Process material in making—
Dry batteries (U.S. 1490450 and 1506189)
Electric insulation (U.S. 1175424)
Electric lamp tungsten filaments (U.S. 1240700)
Vacuum tube filaments (U.S. 1453267)
Ingredient (U.S. 2018993) of—
Dense, emissive cathode layer

(To be continued)

1-Chlorobetanaphthylamine-6-sulphonic Acid

Chemical

Reactant in—
Organic syntheses

Dye

Reactant in making—
Synthetic dyestuffs

Starting point (Brit. 436095) in making—
Dyestuffs for wool, ranging in color from orange to red, by reacting with—
Betanaphthol and a copper salt
Betanaphthol-5:7-disulphonic acid and a copper salt
F-acid and a copper salt

Dibromomethyl Ether

(Bibrominated Methyl Oxide, Bibromomethyl Ether, Dibromated Methyl Oxide, Dibrominated Methyl Oxide, Dibrommethylaether, Eter Dibromometilico, Etere Dibromometilico, Ether Dibromomethylique, Ether Methylique Dibrome, Oxyde de Methyle Dibrome)

Chemical

Starting point in making—
Formaldehyde and hydrobromic acid, by hydrolysis
Methyl bromide and formic acid, with trioxymethylene and water
Organic products, with alcohols
Organic products, with phenols

Military

As a poison gas (lachrymator)

Solvent for—
Ethyl dichloroarsin and other chloroarsins

3:4-Dicyanophenylalphanaphthyl Ketone

Dye

Reactant in making—
Synthetic dyestuffs

Starting point (Brit. 322169, 389842, 390149, 418367, and 468043) in making—
Coloring agents for viscose or cuprammonium artificial silk and other textile fibers
Color lakes
Wallpaper coloring agents

Di-iodoacetylene

Chemical

Starting point in making—
Dibromodi-iodoethylene
Hexabromoethane, with bromine
Hexachloroethane, with chlorine
Tri-iodobromoethylene

Military

As a poison gas (very toxic and irritant)

Dodecyl Thiocyanomethylether

Disinfectant

Claimed (Brit. 481733) as—
Bactericide

Insecticide and Fungicide

Claimed (Brit. 481733) as—
Insecticide
Vermin exterminant

Gammaureidopropylpyridinium Chloride

Textile

Claimed (Brit. 497368) as—
Highly useful agent for processing textile fabrics

Hexadecylethylmethylsulphonium Methylsulphate

Disinfectant

Bactericide (U.S. 2155504) for—
Coli bacilli (1:1000)
Diphtheria bacilli (1:10,000)
Staphylococci (1:10,000)
Typhus bacilli (1:1000)

Isobutyl Malonate

Chemical

Reactant in—
Organic syntheses

Food

Volatility reducing agent (Brit. 435272) for—
Flavoring agents used in food preparations, such as jellies, jams, puddings, desserts, preserves, and the like

---

Kappabetahydroxyethylundecolactone

Perfume

(Musklike odorant (Brit. 440416, 452242, and 452272) for perfume preparations of various kinds

---

Lead Paranaphthamidobenzoate

Rayon

Delustring agent (U.S. 2069773 and 2069774) for—
Cuprammonium products
Nitrocellulose products
Viscose products

Pseudo-pseudo-octamethylene-di-2:2′-4:5-dihydromethylglyoxalins, Isomeric Mixture

Chemical

Starting point (Brit. 492812 and 501522) in making—
Softening agents
Textile assistants

Stearylureidomethylpyridinium Chloride

Textile

Waterproofing agent (Brit. 497856) for—
Textiles (said to give water-repellent effects fast to washing and dry cleaning)

Xylylheptadecyl Ketone, Tetrachlorinated

Lubricant

Claimed (Brit. 481338 and 487642) as—
Lubricant

Starting point (Brit. 481338 and 487642) in making—
Extreme pressure lubricants by admixture in equal parts with Pennsylvania bright stock

5167 Informative articles that have appeared in the department have been collected in a big book of universal usefulness to producers and users. **You Need It.** **$10** Postage paid in U. S. plus 39c postage elsewhere

Paint, Varnish, Lacquer Materials

Slab Zinc Quotation Lowered—Titanium Calcium Reduced—Zinc Oxides Ease With Reduction Indicated—Domestic Casein Dropped Again—Rosin and Turpentine Firm

Reductions in the quotations for slab zinc, lithopone and titanium calcium pigment highlighted last week's news in the market for raw paint materials. The zinc slash came as a surprise to most of the trade and at first major producers seemed disinclined to follow the move. Early in the week, however, the price had been fairly well stabilized at the lower figure. No reason was given for the reduction in titanium calcium but the cause of it did not affect other titaniums.

The general market was quiet on the whole, with the trade concentrating on the negotiation of contracts for the first quarter. Quicksilver vermilion was very strong, reflecting the advances in the metal market. Copal and dammar gums were advanced but elemi gum was reduced. Domestic casein also sold at a lower price. Rosin and turpentine remained firm in Southern and local markets. Turpentine moved up to the highest price recorded in recent weeks. The movement to consumers and dealers on contracts showed an increase, with new business generally limited to unimportant quantities. Unusually low temperatures prevailed in the South and receipts were lighter.

Metallic Lead and Zinc

Leading sellers of slab zinc reduced the price ¼c. per pound, bringing it to a level of 7.75c., basis East St. Louis. Other factors were nominally still quoting 6c. per pound, but the disposition of the trade seemed to be that the market was at the lower figure. Lead continued steady and unchanged at 5.50c. to 5.55c. per pound, delivered to New York, and 5.35c. basis East St. Louis.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from December 30 to January 5, inclusive, were as follows:—

	Pigs: Per Pound N. Y.	Pigs: Per Pound E. St. L.	Spot. London. Per ton £ s. d.
Saturday	$0.0550@.0555	$0.0535	..* .. ..
†Monday	....@....	....	.. .. ..
Tuesday	.0550@.0555	.0535	.. .. ..
Wednesday	.0550@.0555	.0535	.. .. ..
Thursday	.0550@.0555	.0535	.. .. ..
Friday	.0550@.0555	.0535	.. .. ..

* London exchange closed.
† Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from December 30 to January 5, inclusive, were as follows:—

	Slabs: Per Pound N. Y.	Slabs: Per Pound E. St. L.	Spot. London. Per ton £ s. d.
Saturday	$0.0615	$0.0675	..* .. ..
†Monday	.....	.....	.. .. ..
Tuesday	.0615	.0675	.. .. ..
Wednesday	.0615	.0675	.. .. ..
Thursday	.0615	.0675	.. .. ..
Friday	.0615	.0675	.. .. ..

* London exchange closed.
† Holiday.

Pigments

Antimony White.—The price continued firm at 15½c. per pound with demand light and sales curtailed.

Litharge.—Battery-makers ordered out a bit more material last week but the market was still characterized by quiet.

Lithopone.—Leading producers reduced prices of the ordinary grades 15 points per pound late last week and lowered the titanated ¼c. per pound. Car lot price of the former is now 3.60c. per pound and less car lots is 3.85c. Titanated is now quoted at 5c. per pound for car lots and 5¼c. for less car lots.

Orange Mineral.—Inquiries for the future were more numerous during the week and the quoted price was firm.

Red Lead.—The steadiness of the metal market was reflected in the price of this derivitive. Demand was light.

Price Changes

Advanced

Gum, copal, 3/8c. to 2¾c. per lb.
dammar, 3/8c. to 7/8c. per lb.
Rosin, gum, 5c. per 280 lbs.
Turpentine, gum, ¼c. per lb.

Reduced

Casein, dom., 1c. to 1½c. per lb.
Gum, elemi, 1c. per lb.
Lithopone, dom., ordinary, 15 points per lb.
titanated, ¼c. per lb.
Titanium dioxide, calcium base, ¼c. per lb.
Zinc, slab, ¼c. per lb., basis E. St. Louis.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.3	131.2	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Titanium Pigments.—Titanium calcium was reduced ¼c. per pound to 5c. for car lots and 5½c. for less than car lots, both freight allowed. Other titaniums continued firm and unchanged. Contract negotiations held the interest of the trade, although there was a fair call for immediate delivery.

Zinc Oxides.—The price was firm despite the reduction of titanium calcium and a lower price in the near future was not anticipated. Demand was fair and contracting brisk.

White Lead.—Major suppliers did not look for any price change despite the titanium reduction. Demand was light last week.

Fillers and Extenders

Barytes.—The negotiating of contracts continued at a satisfactory level during the week and there was also an increase in the inquiries for future delivery. Pricewise, there was no change.

Blanc Fixe.—The quoted price was firm although orders during the week for small lots only.

China Clay.—Conditions surrounding the market were unchanged during the period under review with the price firm.

Graphite.—Consumers' interest picked up somewhat during the period under review but orders were still small. The price was steady.

Gypsum.—Interest in the trade centered on first quarter contracting which was fairly brisk. Spot demand was off.

Mica.—Demand light and price unchanged.

Talc.—Domestic grades were not in heavy call and French material was nominal.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

FOR QUICK BODYING ACTION
with
DRYING OILS BESIDES CHINA WOOD
Use
PARANOL 1750

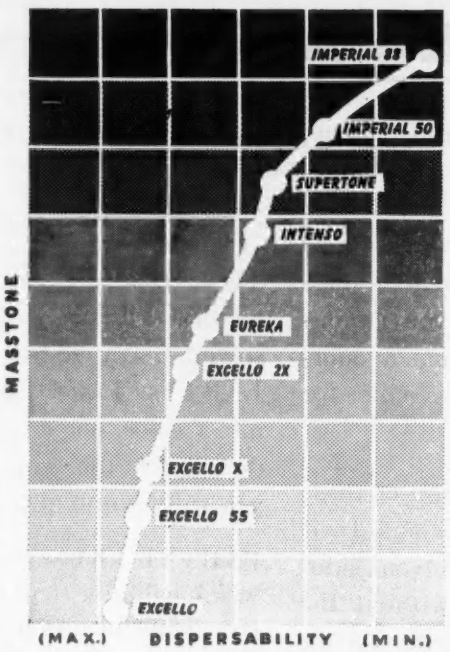
A pale, phenol-modified resin of very high melting point—
Of especial significance because of its ability to body other oils besides China wood oil—

Present market conditions necessitate the partial substitution of China wood oil by Linseed and Perilla oils, and the use of PARANOL 1750 is indicated because it tends to maintain the viscosity, quick-setting and hardness of film obtained in your original China wood oil varnishes.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44th AVENUE & 10th STREET · LONG ISLAND CITY, N. Y.

THE PROPER CARBON BLACK TO USE



No. 1 of a series

No one paint can meet all the varied needs of the trade. So it is with carbon black. IMPERIAL makes a diversified line . . . a grade of carbon black for every purpose. Each is a product of close laboratory control and maintained uniformity. Each gives an ideal combination of properties just suited to the particular need for which it is made!

Call on IMPERIAL for technical assistance in meeting your problem with the right carbon black.

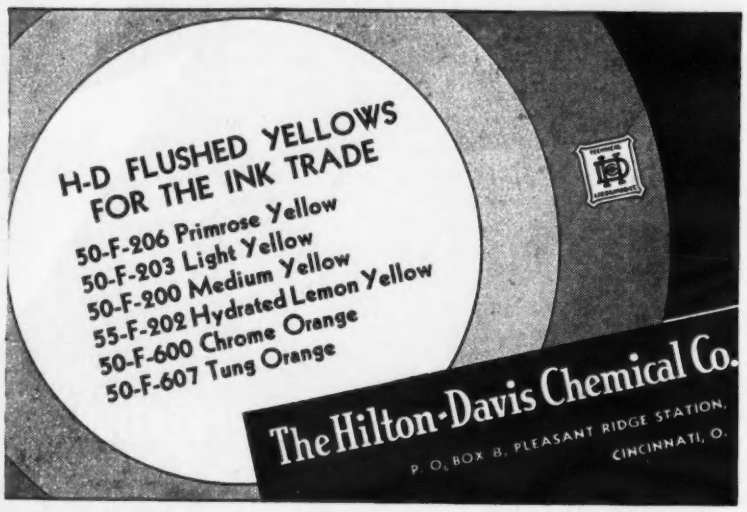
IMPERIAL OIL & GAS PRODUCTS CO.
GRANT BUILDING • PITTSBURGH, PA.
CARBON BLACKS
LABORATORY CONTROL UNIFORM QUALITY

F-1

THERE'S AN IMPERIAL CARBON BLACK FOR EVERY PURPOSE

LAMP
CARBON
BONE
BLACKS
LAKE
VINE
OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

GILSONITE
L/C/L SPOT STOCKS
GEO. SENN TRENTON AND EAST WESTMORELAND Philadelphia
LOWEST MARKET PRICES



Varnish Gums

Copals.—With demand up, advances featured the market and 27 increases were made, ranging from ⅜c. to 2¾c. per pound.

Dammars.—Advances in five types of gum featured the market last week. The advances ranged from ⅜c. to ⅞c. per pound and embraced Nos. 1, 2 and 3 Singapore, Batavia dust and Singapore dust.

Elemi.—The market was easier abroad and the car lot price was lowered 1c. per pound to a level of 11⅝c.

Synthetic Resins

Ester Gum.—Spot sales were at a slightly better level last week although the primary interest in the market was in negotiating contracts. The price was firm at 6½c. to 6¾c. per pound for New York delivery.

Driers

Contracting continued to hold the interest of the trade with palmitates and stearates firm. Stearates were quoted as follows—Zinc, 23c. to 26c. per pound; magnesium, 24c. to 27c.; calcium, 20½c. to 22½c., and aluminum, 19c. to 24c. Palmitates were 1½c. per pound higher in each case.

Naval Stores

The nuaval stores situation was featured last week by an increase in exports and by a generally firm tone in Southern and local markets. Price movements were narrow, but turpentine moved up to the highest point recorded in recent weeks, Savannah reporting sales on Wednesday at 28 cents per gallon. Shipments of rosin from Savannah and Jacksonville on Tuesday aggregated 18,592 barrels, while clearances of turpentine were 7,357 barrels. So far as new domestic business was concerned, purchasing operations were still generally along very conservative lines, but there was an increase in the movement to consumers and dealers on contracts previously placed and in the opinion of some the indications continued to point to a considerable increase in consumption in some fields as compared with last season.

Receipts in primary markets were lighter and predictions were heard that the movement from the interior during the next two months would make a bullish showing as compared with the corresponding period last season. Unusually cold weather prevailed over the South last week. At various points temperatures below freezing were reported, while in parts of the Southwest it was down to as low as 14 degrees. The weekly exhibit of C.C.C. holdings showed a further decrease, stocks of rosin on December 29 being 2,706 barrels and 745 drums smaller than in the previous week, while holdings of turpentine from the 1928 production were nil against 498 barrels a week earlier.

CCC Loan Holdings

The following table shows the stocks of rosin and turpentine held December 29 by the CCC under loans on the 1938 crop:—

	Rosin		Turpentine.
	Barrels.	Drums.	Barrels.
Savannah ...	111,396	.....	.....
Jacksonville .	180,840	.....	.....
Brunswick ..	95,361	955	.....
Mobile	14,698	3,019	.....
Pensacola ...	25,922	.....	.....
Valdosta	121,796	.....	.....
Totals	550,008	3,974	.....
Pre-week ..	552,714	4,719	498

Turpentine.—The market here was firmer last week, the price showing an advance at one time in company with Savannah where receipts and offerings were lighter. Business here was generally limited to comparatively small lots, the movement of such quantities being fair.

Savannah, Jan. 5.—The turpentine market retained a firm undertone. Following is a record of the market for the week:—

	Cents	Barrels			
	(gal.)	Sales.	Re-ceipts.	Ship-ments.	On hand.
*Saturday . ..	...	...	...	...	.....
*Monday ...	...	...	...	...	.....
Tuesday ...	27¾	11	24	2,605	24,364
Wednesday.	28	7	56	..	24,420
Thursday ..	28½	5	53	1,050	23,423
Friday	28	85	4	54	23,373

* No trading.

HAVE YOU TRIED BARTYL I · BARTYL G?
Two NEW Anti-Skinning Agents
MORE POWERFUL LOWER IN COST FREE OF UNPLEASANT ODOR

GIVAUDAN research once again brings you an important development in odor-free anti-skinning agents for paints and inks.

With the introduction of these new BARTYLS—G and I—it is now possible to prevent skinning economically without the use of ingredients that leave objectionable odors.

Though considerably more powerful and more effective, BARTYL I and its companion agent BARTYL G, sell for substantially less than other odorless anti-skinning agents.

These products are liquids readily soluble in oils and solvents. In addition, neither BARTYL I nor BARTYL G affect color, nor do they retard drying in the concentrations generally required.

BARTYL I has a pleasant odor which will also tend to improve the odors of the drying film. We will gladly handle, to your complete satisfaction, the simple adjustment to your formula. Investigate today. Write for samples and prices on these remarkable new materials.

GIVAUDAN
DELAWANNA, INC.
Industrial Aromatics Division
80 FIFTH AVENUE, NEW YORK, N. Y.

Jacksonville, Jan. 5.—Turpentine quiet and firm. Following is a record of the market for the week:—

	Cents (gal.)	Barrels Sales.	Re-ceipts.	Ship-ments.	On hand.
*Saturday	...	...	...	...	.....
*Monday	...	...	...	...	.....
Tuesday	26	...	125	4,752	44,469
Wednesday	26	...	22	162	44,329
Thursday	26	...	4	6	44,327
Friday	26	...	3	65	44,265

* No trading.

Pensacola, Dec. 28.—Turpentine remained quiet. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
*Monday	...	...	...
Tuesday	17	... 1	8,585
Wednesday	175	...	18,760
Thursday	35	410	18,385

Chicago, Jan. 5.—Turpentine opened the year quiet. Five-drum lots, 34c. per gallon; five wood barrels, 39c.; single drums, 37c.; single barrels, 42c.

London, Jan. 5.—Turpentine 59s. 6d. per 112 pounds. Stocks of American as follows:—

	Jan. 5.	Previous week.	Last year.
Barrels	16,403	17,134	29,503

Rosin.—A firm tone prevailed in the local market last week. There was apparently no broadening of business, but in some quarters an increase was noted in the call for small or moderate lots. Receipts and offerings in primary centers were light and the tone of the markets was generally firm.

Savannah, Jan. 5.—Changes in rosin quotations were moderate. Following is a record of the market for the week:—

	Price per unit—low of range *Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$4.05	$4.05	$4.05	$4.05
D	...	...	4.15	4.15	4.15	4.15
E	...	...	4.85	4.85	4.85	4.85
F	...	...	4.90	4.90	4.90	4.90
G	...	...	5.10	5.10	5.10	5.15
H	...	...	5.30	5.30	5.30	5.30
I	...	...	5.35	5.35	5.35	5.45
K	...	...	5.45	5.45	5.45	5.45
M	...	...	5.55	5.55	5.55	5.55
N	...	...	5.55	5.55	5.55	5.55
WG	...	...	5.65	5.65	5.65	5.65
WW	...	...	6.20	6.20	6.20	6.20
X	...	...	6.20	6.20	6.20	6.20
Barrels						
Sales	...	...	106	...	...	15
Rec'pts	...	...	957	139	122	443
Ship's.	...	...	9,866	...	2,675	1,344
Stocks—	...	...	215,899	216,038	213,485	212,584

* No trading.

Jacksonville, Jan. 5.—The rosin market had a firm tone. Following is a record of the market for the week:—

	Price per unit—low of range *Sat.	*Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	...	$3.75	$3.75	$3.75	$3.75
D	...	...	4.00	4.00	4.00	4.00
E	...	...	4.75	4.75	4.75	4.75
F	...	...	4.90	4.90	4.90	4.90
G	...	...	5.10	5.10	5.10	5.10
H	...	...	5.15	5.15	5.15	5.15
I	...	...	5.20	5.20	5.20	5.20
K	...	...	5.35	5.35	5.35	5.35
M	...	...	5.37½	5.37½	5.37½	5.37½
N	...	...	5.45	5.45	5.45	5.45
WG	...	...	5.55	5.55	5.55	5.55
WW	...	...	6.30	6.30	6.30	6.30
X	...	...	6.30	6.30	6.30	6.30
Barrels						
Sales	...	...	...	...	...	...
Rec'pts	...	...	511	49	54	139
Ship's.	...	...	8,726	...	100	110
Stocks—	...	...	347,477	347,526	347,480	347,500

* No trading.

Pensacola, Dec. 28.—Rosin quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.
Receipts	*...	60	445	124
Shipments	*...	...	582	289
Stocks	*...	62,017	61,880	61,715

* Holiday.

Chicago, Jan. 5.—A quiet market continues to rule in rosin. B grade, $7 per lot of 280 pounds; G grade, $8.10; M grade, $8.50; W.W. grade, $9.20.

London, Jan. 5.—Rosin, fine, 28s. 6d. per cwt; W.W., 35s.

Pine Oil.—An expansion noted in the movement and market remained firm, quotations being maintained.

Pitch.—Business in spot material continued along conservative lines, the call for moderate lots being fair.

Rosin Oil.—Local spot prices steady in absence of any material change in primary position of raw material.

Tar.—More active, this applying to contracts and transient orders. Market remained steady.

Dry Colors

Bone Black.—Contracts continued to be negotiated at a good rate with the higher prices in force for the first quarter apparently not discouraging consumers.

Carbon Black.—Rubber tire manufacturers became a bit more active and despite the short week sales volume for major producers was at a satisfactory level for this time of year. The new prices were firm.

Chrome Green.—The spot market picked up a bit, although interest of the trade was centered on first quarter contracting.

Chrome Yellow.—Orders for delivery this month were fairly good, with the price firm at 14½c. per pound for spot and 13½c. for contract.

Eosin Toner.—The market was unchanged with the price firm at $1.25 per pound.

Iron Blues.—Demand continued to be fair with the price firm at 34c. per pound for spot and 33c. for contract delivery.

Lithol Toner.—Inquiries for the future were at a better level and the price was firm.

Mercuric Oxides.—The market was unchanged with the technical red material offered at $2.41 per pound and the yellow at $2.26.

Vermilion.—Despite the strength of quicksilver, sellers of English vermilion failed to advance their prices last week, although present quotations were strong. An increase is possible this week.

Shellac

Agents for Calcutta shippers reported little trading in shellac for

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in. 1¼ in., 1½ in. LETTERS

CUTS PAPER SHIPPING STENCILS

A. J. Bradley Mfg. Co.
101 Beekman Street New York

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

Shawnee DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue

KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents
In Principal Cities
Distillers of Coal Tar Products

Just say the word

Your Imperial representative is always at your call on any color problem.

Our Technical Service Laboratories will gladly render assistance.

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.

The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:
Boston - New York - Philadelphia - Cleveland - Detroit - Cincinnati
Pittsburgh - Toronto - Chicago - St. Louis - San Francisco
Baltimore Dallas - Los Angeles - Louisville - Seattle

Industrial and Pharmaceutical Chemicals

SODIUM SULPHIDE
(60-62%)

Fused
Broken
Flaked

Manufactured by
Titanium Division of National Lead Co.

R. W. GREEFF & CO.
10 East 40th Street New York, N. Y.

MAPICO COLORS MAKE "IRONCLAD" FINISHES

On Guard... Against High Production Costs

HIGH cost of pigments...high cost of grinding. Every paint manufacturer seeks to minimize these twin problems of production. And they can be minimized by using Mapico Colors in paint formulation.

Low cost per pound...ease of grinding...high coverage...high hiding...these are qualities that make these pure oxides of iron invaluable when economy is desired.

Technical Inquiry is Invited

MAPICO Colors
PURE OXIDES OF IRON
MAGNETIC PIGMENT CO.
BINNEY & SMITH CO., *Distributors*
41 EAST 42ND STREET, NEW YORK, N. Y.

● YELLOWS ● REDS ● BROWNS ● BLACK

later shipment. Arrival of some 40,000 bags within a not long period of time apparently has checked trading at the source for the time being, but the general opinion was that a revival of import buying was certain to develop. Based on Calcutta advices, it would cost about 16c. per pound to land T. N. shellac on this market, and seedlac would cost around 13c. Clear indication of Calcutta prices could be learned only when firm business was to be placed. Exchange, freights, and insurance all play an important part in determining actual cost to import the item. Local prices remained firm and demand showed some gain.

Bronze Powders

Aluminum Powder.—All grades were in fairly good demand during the period under review. Prices were firm.

Metal Leaf.—Interest in the market was a bit better during the period under review and the prices was steady and unchanged.

Lacquer Materials

Shipments moved against contracts at a moderately active pace last week. Spot withdrawals were irregular, with business still adjusting itself to holiday influences. Many items were well booked during the final quarter of the previous year and some deliveries were carried into the early part of this year. A good export inquiry existed for several materials. The market lacked any specific price development, and the general tone was one of firmness.

Acetone.—Shipments continued steady. Export inquiry still active. Market fully retained its firm position.

Alcohol Butyl.—Withdrawals against contracts moderately active. Firm price tone characterized trading.

Butyl Acetate.—Interest in the market was well maintained. Good export inquiry. Prices held firm.

Cellulose Acetate.—Major consumers entered the market for fair size replacements. No change developed in the prices.

Diamyl Phthalate.—Dealings were routine. Prices were firm, and the market was in a strong position.

Dichlorethyl Ether.—Consumers exerted moderate demand. Prices were without change.

Methyl Acetate.—Movement against contracts remained fairly steady. Prices were firm.

Tricresyl Phosphate. — Deliveries against previous bookings were sufficient to keep the market in firm position. New business was less active.

Glues and Binders

Casein.—Domestic material weakened somewhat during the period under review and the price of 20-30 mesh product was quoted at 14½c. to 16c. per pound, a reduction of 1c. to 1½c. One major supplier was quoting 14½c. to 15c. per pound and another held to 15c. to 16c. Argentine material was quoted at 14c. per pound.

Glues.—The market for bone glues continued very strong and hide glues were still firm but no further advances were made last week.

Pratt & Lambert Advances H.E. Gray and F.W. Garen

Pratt & Lambert, Inc., paint manufacturer, Buffalo, has appointed Howard E. Gray to the position of sales-manager of the Eastern division, with offices at Long Island City, and Frank W. Garen district manager, with headquarters at Longmeadow, Mass.

Since coming with the company in 1920, Howard E. Gray has represented Pratt & Lambert in the Southeastern States, with headquarters at Tampa. Frank W. Garen has completed eighteen years with the company, having served during the period as salesman in the New England territory.

Armour & Co. of Illinois directorate has approved an agreement to turn over its 220 branch houses to its subsidiary, Armour & Co. of Delaware, as a step toward the eventual merger of the two companies.

RAYOX · RAYCAL · SURFEX · DURITE
PEERLESS CLAY · RAYBAR · RAYSIL
PYRAX · MULTIFEX
THERMATOMIC BLACKS
R. T. VANDERBILT CO. N. Y. · AMERICAN PRODUCTS

RAYOX—Pure Titanium Dioxide
RAYCAL—Titanium Calcium Pigment
SURFEX—Surface-Treated Calcium Carbonate
DURITE—Pure Phenolic Resin
PEERLESS CLAY—Domestic China Clay

★ *Write for Samples*

RAYBAR—Titanium Barium Pigment
RAYSIL—Titanium Silicate Pigment
PYRAX—Ground Pyrophyllite
MULTIFEX—Colloidal Calcium Carbonate
THERMATOMIC BLACKS—Carbon Blacks of Low Oil Absorption

EACH PRODUCT IS OF THE HIGHEST QUALITY IN ITS CLASS

R. T. VANDERBILT CO., INC. · 230 PARK AVE. · NEW YORK

Current Market Quotations

—*Continued from page 25*

Wax, Montan—Zirconium

Wax, montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P.).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., 5-lb. bots..lb. 2.47 - —
dms., 50 lbs. or more.....lb. 2.34 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works....ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
glider's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.50 -15.50
l.c.l., works.....ton.15.50 -16.50
extra bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris, white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.50 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.00 -21.50
Limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis.....ton. 6.26 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works. ton.12.50 - —
extra, bgs., l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 ton, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works.....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural. bls..lb. .07 - .09
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .09 - .10
rossed, green, bls.....lb. .07 - .08
Wild indigo root, bgs.....lb. .13 - .14
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works. ton.20.00 - —
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock....ton. No prices.
120 mesh, bgs., ex dock....ton. No prices.
Wormseed, American, bgs.....lb. .08 - .09
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .18 - .20

X

Xylol (xylene), indus., dms., returnable, works..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
10°, dms., returnable, works. gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
5°, dms., returnable, works..gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .40 - —
3°, dms., returnable, works..gal. .47 - —
tanks, E. of Omaha, frt. alld..gal. .45 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, cadmium, CP, import., bxs..lb. 1.35 - 1.70
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
lithopone, all shades, kgs., ton lots, same basis..lb. .53 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP, bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.....lb. .13½- — ..
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast, for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
yellow, G, bbls., works...lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto. Boston, N. Orleans, for import, lb. .02475 Nom
New York (f.o.b.)..lb. .02⅝ Nom
Philadelphia for import..lb. .02¾-Nom.
ex dock, San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans...lb. .02575 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02⅝ Nom.
ex dock, Phila., for import..lb. .02⅝ Nom.
Portland, Seattle...lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans...lb. .02725 Nom
Chicago, E. St. Louis, Indianapolis, Kan. City, Milwaukee, St. Louis .....lb. .03⅝ Nom.
New York.....lb. .03 Nom.
l.c.l., ex whse., Pittsburgh, lb. .03¼ Nom.
Portland, Seattle.....lb. .03⅝ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N. Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03¼ Nom
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06¼- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O.).
Zinc, bbls., same basis, chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthorisa), bls..lb. .11 - .11
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrochloride, via..oz. 4.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., works, lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags .....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest. in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.40 - —
gran., dms., c.l., works. 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .25 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l. works..lb. .0290- —
l.c.l., works.....lb. .01 - .04
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. 33 - —
Dust, bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., bbls., dlvd.....lb. .03¾- —
Iodide, N.F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
bgs., l.c.l., ex whse., Pac. cst.....lb. .06¼- .07¾
bbls., c.l., dlvd....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac. cst.lb. .06¾- —
35%, bgs., c.l., dlvd., lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
Zinc, oxide, pigment, Amer., process, coml., leaded 35%, bgs., l.c.l., ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd..lb. .06¾- —
bbls., l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst. lb. .06¾- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .0606- —
dlvd., Pac. cst..lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
bgs., ex whse., Pac. cst..lb. .0637- —
bbls., c.l., dlvd....lb. .0637- —
l.c.l., ex whse., Pac. Cst. lb. .0662- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06¼- .07¼
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst..lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd. lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
bbls., l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst. lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
French process, white seal, l.c.l., ex whse., bbls., c.l..lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
imported, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
ctns., c.l..lb. .23 - —
l.c.l., 1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .23 - —
less than 1,000 lbs...lb. .26 - —
USP, bbls.....lb. .24 - .26
U.S.P., bbls.....lb. .22½- .24½
Zinc, sulphate, cryst., bgs., c.l., 100 lbs. 2.75 - —
l.c.l. .....100 lbs. 3.50 - —
bbls., c.l.....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
flake, bgs., c.l.....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
powd., bgs., c.l.....100 lbs. 4.35 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l.....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
barium, calcium or magnesium pigments, bgs., c.l., (20 tons) dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05½- —
calcium or magnesium, pigments, bbls., c.l., (20 tons), dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbolate, NF, bbls.....lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst...lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 99%, rgd., kgs., works, lb. 1.30 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

NOTE:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the January 1 issue; the next printing will be in the February 5 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 35.

Lacquer and Varnish Gums
Thurston & Braidich, Importers, 286 Spring Street, New York

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

MINERALITE Reg. U. S. Pat. Off. A NEW MICACEOUS FILLER
FOR PAINT, PIGMENTS, ENAMELS, LACQUERS, SHELLACS, VARNISHES, etc.
Resistance to abrasion—Low specific gravity—Promotes adhesion—Improves reflection—Fine mesh. Flaky structure promotes high resistance to peeling, blistering, cracking and chalking. Samples, Prices and Information on request.
MINERALITE SALES CORPORATION, 9 Rockefeller Plaza, New York

mineral pigments
NATURAL AND SYNTHETIC
PURE CHROMIUM OXIDES
are
STRONG - INERT - PERMANENT
C. K. WILLIAMS & COMPANY
EASTON-PENNSYLVANIA

Mines Bureau Head Resigns at Request

—Continued from page 3

other posts of a number of career men in the Bureau of Mines and other scientific and fact-finding bureaus of the Department of the Interior who obtained their positions during Republican administrations, most of whom have civil service status, and who, he feels according to reports, are not sufficiently cooperative in supporting New Deal measures.

Secretary Ickes admitted that he had asked for Dr. Finch's resignation but refused to divulge the details of the situation which led him to take this action. He said that Dr. Finch was technically well qualified for the position which he held but that he had been unable to exercise sufficient control over the bureau, which he said is being run by a small group of men who resent any suggestions from their superior officers.

His disagreement with the bureau began, the secretary said, with the controversy over whether helium gas should be sold to Germany. The Cole bill, he declared, is not involved in the present controversy, but he admitted that he has differed with bureau officials on the proposed Keller coalmine inspection bill. This measure would permit the Secretary of the Interior to order inspection of coalmines on petition of a majority of the underground workers in a mine. He indicated that bureau men have been lukewarm toward this form of Federal jurisdiction.

Secretary Ickes said that there would not, to his knowledge, be further resignations in the Bureau of Mines, and that a successor to Dr. Finch had not been selected.

Representative Clarence J. Brown of Ohio has been named to the subcommittee considering the Cole bill for Federal control of petroleum conservation. He fills the vacancy left by the death of Representative Carl E. Mapes of Michigan. Mr. Brown is a Republican serving his first term in Congress and representing a district in southwestern Ohio. He was formerly lieutenant-governor and secretary of the state of Ohio.

Merkin Co. Holds Annual Sales Meeting and Banquet

The annual sales meeting of the M. J. Merkin Paint Company was held at the executive offices of the company in this city December 22. The complete personnel, comprising trade sales, industrial, and marine representatives were in attendance. Presentation of many papers and discussions on various subjects pertaining to the 1940 sales promotion program were reviewed.

The annual sales banquet was held at the Hotel Edison, climaxed by the presentation of bonuses by M. J. Merkin, president of the company. A factory employee dinner was also held at the Park Tavern in East Rutherford, N. J., where all employees were presented with bonuses.

Philadelphia Paint, Varnish and Lacquer Association will hold a meeting in the Warwick hotel January 10.

Obituaries

John M. Murray

John M. Murray, prominent in oil trade circles here and in other parts of the country, died January 4 in Medical Center, this city. He was sixty-five years of age.

Mr. Murray was born in Scotland but spent his boyhood on a farm in Canada. He started his professional

John M. Murray

life as a school teacher in Canada. In 1898 he entered the employ of Whitman Brothers, agent for the Southern Cotton Oil Company, and dealers in fish and animal oils. In 1892 the Whitman agency was taken over by the Southern Cotton Oil Company, and Mr. Murray became connected with the latter company as manager of its foreign and by-products department. He resigned that position in 1920. From 1920 to 1923 he had charge of the New York office of Sterne & Son Company, Chicago, broker in vegetable and animal oils. In 1923 Mr. Murray severed his connection with the Sterne organization to take charge of the oil brokerage department of Henry Hentz & Co., this city. For many years Mr. Murray had been treasurer of the New York Produce Exchange and served as its president for two terms. At the time of his death he was chairman of the cottonseed products committee of the exchange. He was active in the affairs of the Oil Trades Association of New York, and in 1924 was president of that association. He was also a special member of the National Cottonseed Products Association.

The Board of Managers of the New York Produce Exchange on application of the members of the Exchange closed the cottonseed oil market at 11:15 a.m. on Saturday, at which time all other markets traded in on the Exchange suspended trading for 15 minutes in order to pay homage and listen to an eulogy of Mr. Murray.

He was a member of St. Andrew Society, New York; Canadian Club, New York; Calvary Methodist Church, East Orange, N. J.; a member of Hope Lodge F. & A. M., East Orange, N. J.; director and past president of Indian Lake Country Club, Denville, N. J., where he had a summer home and was prominent in all community activities.

Surviving are his wife, Mrs. Mary Edith Murray; a daughter, Mrs. Margaret Dorothy German, and a brother, Robert Murray, of New York.

Charles C. Baird

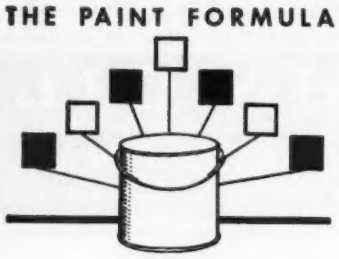
Charles C. Baird, who before his retirement in 1909, assisted in the founding of the city of Barberton, and organized and built many of its industrial plants, died in this city January 3. He was eighty-six years of age. Mr. Baird had aided in the organization and consolidation of many industrial corporations in Ohio. Among them were the original B. F. Goodrich Company, the Diamond Match Company, Babcock & Wilcox Company, American Sewer Pipe Company, the Union Salt Company and the General Fire Extinguisher Company.

—Continued on page 54

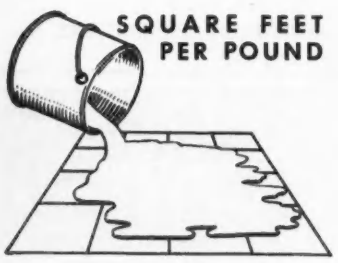
ISN'T *this* THE WAY TO FIGURE

Hiding Power?

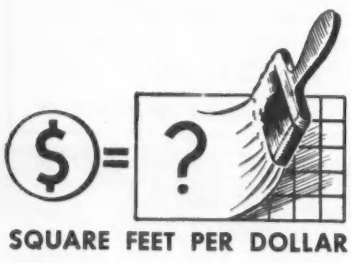
THE PAINT FORMULA



You've heard it often enough — that some particular pigment has **exactly** so much more hiding power than another. But does that comparison mean anything? Not unless the paint formula is specified. For the hiding power of a pigment can be varied over 100%, simply by shifting around vehicles, thinners or pigment non-volatile volume ratio!



Isn't it more logical then, to measure pigment hiding power at the consistency a paint is intended to be applied? Using this method for **95 commercial flat wall paints,** The New Jersey Zinc Company found that the hiding power of lithopone ranged from approximately 25 to over 50 sq. ft. per pound.



So long as you intend to be practical about hiding power, measure it in square feet per dollar. And then consider these facts: in tests of 95 commercial flat wall paints, **lithopone proved to be the more economical** of the two most used pigments for flat wall paints — with a range of approximately 650 to over 1400 square feet of hiding power per dollar.

New Jersey Zinc

For more of this story on hiding power, write for a copy of "A Practical Hiding Power Comparison".

THE NEW JERSEY ZINC COMPANY

160 Front Street, New York, N. Y.

Oils, Fats, and Waxes

Chinawood Oil Still in Light Supply and Prices Again Advance —Perilla Also Up—Soybean Oil Lower with Beans—Lard and Neatsfoot Oils Firmer — Trade Quiet

Business in miscellaneous oils, fats and greases was quiet during the opening week of the new year and the indications seemed to point to a continuation of quiet conditions until the work of inventory taking has been completed. In a few instances an increase was noted in withdrawals on contracts previously placed, but new business was generally of the same hand-to-mouth variety noted in the closing weeks of 1939. The trend of prices was slightly upward.

As to changes in quotations a development of considerable interest was a further advance in chinawood oil, the strength of the market being due to scarcity, much of the oil arriving in recent weeks having been applied on contracts. Soybean prices were more or less unsettled throughout the week and quotations on soybean oil was reduced, especially as there was a lack of buying interest. Lard futures were also irregular and unsettled and cottonseed oil futures, after advancing at one time in the period, weakened later on. The monthly statement of lard stocks in Chicago showed a heavy increase in supplies during December.

Price Changes

Advanced

Chinawood oil, ½c. per lb.
Lard oil, ⅛c. to ¼c. per lb.
Neatsfoot oil, ¼c. per lb.
Perilla oil, ½c. to ¾c. per lb.
Sardine oil, crude, 2c. per gal.
Tallow oil, ⅛c. per lb.

Reduced

Corn oil, ⅛c. per lb.
Lard, 20c. to 25c. per 100 lbs.
Oleo oil, ⅛c. to ⅜c. per lb.
Olive oil foots, ⅛c. per lb.
Soybean oil, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
106.9	106.8	102.8	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Chinawood Oil

With supplies of chinawood oil small and indications lacking of any material change in the situation in this respect in the near future, the market here was firmer last week. The inside base quotation for oil in tankcars was advanced to 26c. per pound, as compared with 25½c. in the previous week. Quotations on outside or free oil ranged from 26½c. per pound upward, with the figures generally more or less nominal. Oil in drums ranged from 27½c. to 28½c., and business was reported to have been closed in a small way within those limits. The arrival of 649,600 pounds was reported at Los Angeles. Importations at New York were 2,537 tons and 407,400 pounds.

San Francisco, Jan. 3.—Sales of chinawood oil in tankcars were reported here a few days ago at 26½c. per pound, f.o.b. Pacific Coast ports. Reports current here that the British have closed the port of Hongkong and importers state they cannot get offers.

Vegetable Oils

Coconut. — Quieter conditions prevailed here, but the market had a steady tone in the absence of any material change in the Far Eastern situation. For spot and nearby crude oil, 3⅝c. was quoted for tankcars, with distant deliveries ⅛c. under that figure.

San Francisco, Jan. 3.—Coconut oil firm; quoted at 3¼c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Buyers bidding 3⅛c. Lowest Philippine offers of copra today are on basis of 2.05c., c.i.f.

Corn.—The market for crude oil was quieter, consumers being inclined to hold off for fresh developments in other products. Offerings were light with quotations shaded ⅛c. Refined oil steady with a fair demand.

Cottonseed.—Business in edible oil was quiet, purchases generally being limited to comparatively small lots. Quotations were stationary and the tone of the market appeared to be steady.

Oiticica.—The local market was firmer, the tone being influenced by recent developments in other similar commodities. Offerings continued light in the absence of any increase in stocks, some quarters being bare of supplies.

Olive.—Demand was rather slow. Offerings continued light, however, and the market had a steady tone, though quotations on spot foots were shaded ⅛c. by some sellers.

Perilla.—Trend upward; quotations advanced ½c. by some sellers. Offerings light on the rise. Stocks small and diminishing and shipment offerings still limited. Inquiry more active.

Soybean.—Quotations reduced about ½c. by some producers, decline being a reflection of recent developments in the market for beans. Occasional inquiries received in some quarters but few transactions reported.

Markets at Other Centers

San Francisco, Jan. 3.—Continued quietness ruled again in vegetable oils for the most part last week, broken a few days ago by a slight flurry in chinawood oil.
Babassu.—Quoted 6½c. per pound in tankcars, f.o.b. mills, Pacific Coast.
Oiticica.—Raw, liquid oil quoted 19c. to 20c. per pound in drums, f.o.b. Pacific Coast ports for spot shipment or forward delivery out of Brazil.
Perilla.—Stronger at 16½c. per pound in tankcars, f.o.b. San Francisco for spot supplies.
Rapeseed.—Sales were reported to have been effected at 8¼c. per pound in tankcars, f.o.b. Pacific Coast ports for prompt delivery to nearby shipments from the coast.

Chicago, Jan. 5.—Trade quiet in most grades of vegetable oils.
Coconut.—Coast basis, 3¼c. to 3⅜c. per pound. Refined, edible oil, 9c. to 9¼c. per pound, drums, car lots; and 9½c. to 9¾c., drums, less than car lots.
Corn.—Crude, low acid, 6c. to 6¼c. per pound, nominal. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 8¾c. to 9c., drums, less than car lots.
Peanut. — Crude, South, January, forward, 7c. per pound.
Soybean.—Crude, mills, 5⅜c. to 5⅝c. per pound, January-forward.

The market for soybeans on the Chicago Board of Trade was fairly active. Changes in quotations were frequent, the general trend being upward early in the week with a setback later. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Jan. 5.	Closing Dec. 29.
Cash	$1.21	$1.19	.....	.....
May	1.21¾	1.16½	1.16½	1.18¾
July	1.18½	1.13⅝	1.13⅝	1.16⅛

Linseed Oil

Flaxseed.—Flaxseed was irregular in domestic and foreign markets, changes in prices being frequent and at times sharp. Linseed oil, cake and meal steady.

Duluth, Jan. 5.—Flax trading has been

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 6

For Every Specification
Processed
Refined
Blown
Cooked
Sulphonated
VEGETABLE and FISH OILS
Perilla Oil
Soya Bean Oil
Sardine Oil
Liquid Oiticica Oil
Let us quote you Spot or Contract
CROWN
OIL PRODUCTS CORP.
214 49th AVENUE
LONG ISLAND CITY, N. Y.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND (distilled)
STAR BRAND (saponified)
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal) New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yoppa, Robinsons, Bentleys, A B C., 5th Edition, Peerless

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Offices: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

EMERY
America's largest producers of
STEARIC AND OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS · GLYCERINE · PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.

light the past week and the upward trend was associated with crop losses in Argentina. Flax supplies here show an increase of only 6,000 bushels during the week, and stocks in store now total 52,000 bushels against 112,000 in the same period last year. The cash basis for flax on tracks is 9 cents over Minneapolis May, and flax to arrive, 8 cents over.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.16	$2.07	$2.04
Monday	*	...	...
Tuesday	2.18½	2.09½	2.05
Wednesday	2.16½	2.08	2.04
Thursday	2.17	2.09	2.04
Friday	2.15	2.08	2.04

* Holiday.

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week—	8,983	75	2,585	.....
Since Aug. 1—	3,972,633	1,625,112	3,962,706	1,418,808

Minneapolis, Jan. 5.—Although seasonal dullness failed to blanket the flax market quite as much as it usually does there is no important activity at the moment. Cash flax receipts have been steadily light and in ready demand at firm to slightly stronger premiums. Local crushers took virtually all of the offers. An occasional car that strayed to the head of the lakes found outlet there but in the main diversion point offers were purchased by local crushers and brought to this market.

Seed house buyers continued to compete for the choicer seed and paid 1c. to 3c. over crusher bids for selections. Demand for seed is seasonal and inquiry is much better than it was a year ago. In the interest of the linseed trade crushers are permitting the purchase of good seed flax by seed houses without opposition, although crusher reserves are none too liberal. Local elevator stocks decreased freely during the past few weeks because of the withdrawal of supplies for presses, which currently are running almost at full capacity.

Movement of cash flax in the country is moderate to light, partly because of severe weather conditions and partly because of the growing interest in flax culture. The abeyance of the Argentine trade pact is still an influence and if that treaty is not signed there seems to be little question but that farm holding will be tighter than ever.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.18	$2.07	$2.04
Monday	*	...	...
Tuesday	2.20½	2.09½	2.06½
Wednesday	2.18½	2.07½	2.05
Thursday	2.18	2.07	2.04
Friday	2.17	2.05	2.04

* Holiday.

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week—	26,600	20,940	2,800	7,200
Since Sept. 1—	3,638,000	1,399,940	1,542,400	420,100

Winnipeg, Jan. 5.—Trading in flaxseed was fairly active. The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.92¼	$1.96¼	$1.94½
Monday	*	...	...
Tuesday	1.99½	2.03¼	2.02¼
Wednesday	1.98½	2.02	2.00
Thursday	1.95	1.96½	1.94½
Friday	1.92½	1.95¾	1.93½

* Holiday.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 6

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline)

WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

"Before You Buy-Ask WECOLINE"

VEGETABLE FATTY ACIDS

Distilled white vegetable oil fatty acids. Quality and color unsurpassed.

COCONUT	TEASEED	PALM
LINSEED	SOY BEAN	CORN
WHITE OLEIC	COTTON SEED	LAURIC

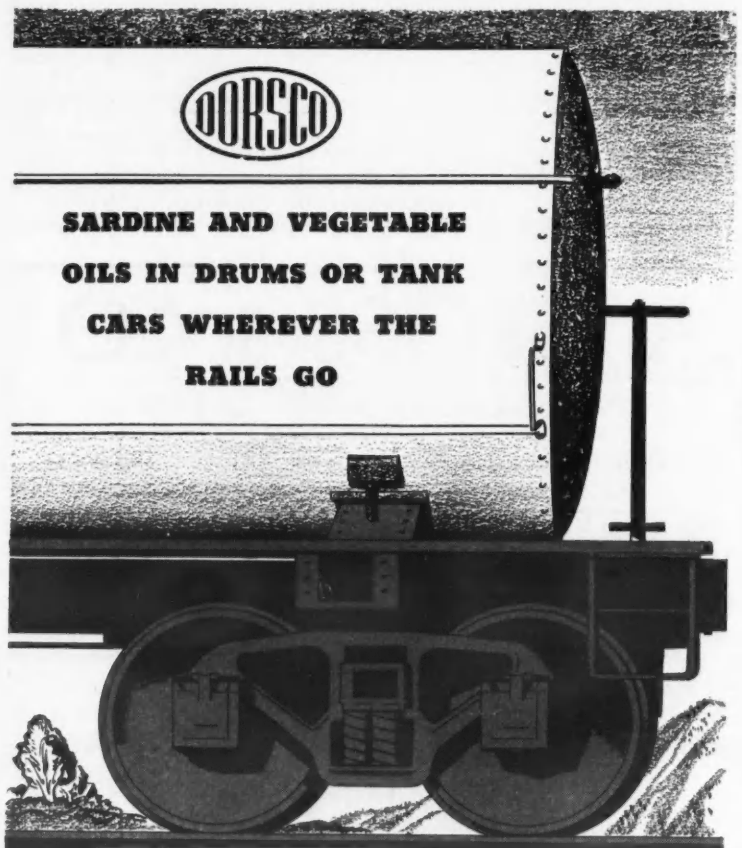
Produced under rigid factory control from high grade materials.

Specifications and samples gladly furnished.

"Wecoline's Fatty Acids are unusually pure and brilliant"

WECOLINE Products, Inc. BOONTON, N.J.

Sales Offices NEW YORK.....CHICAGO.....BOSTON



SARDINE AND VEGETABLE OILS IN DRUMS OR TANK CARS WHEREVER THE RAILS GO

OILS TRUE TO SPECIFICATION—36 types of "standard," California High Iodine Number sardine oils regularly refined and processed. Other oils prepared to your order—*and guaranteed true to your specifications.*

DORWARD & SONS CO.

260 CALIFORNIA ST., SAN FRANCISCO · REFINERY: RICHMOND, CALIF.

"where the sardine boats dock"

SYNTHETIC OILS and WAXES

for use in

Pharmaceuticals, Cosmetics, Printing, Polishes, Food and Many Other Industries

GLYCERYL

METHYL, ETHYL, PROPYL, BUTYL, AMYL, GLYCOL, DIETHYLENE GLYCOL, PROPYLENE GLYCOL

ESTERS OF

STEARIC

MYRISTIC, PALM, LAURIC, OLEIC, COCOANUT, SOYABEAN, COTTONSEED, RICINOLEIC, LINSEED, AND OTHER FATTY ACIDS

KESSCO PRODUCTS

Offered Under Definite Chemical Specifications

Inquiries Solicited—Data on Request

W. W. ANGUS, INCORPORATED

239 ELEVENTH AVENUE, NEW YORK, N. Y.

Sales Agent for

THE KESSLER CHEMICAL CORP.

Bucnos Aires, Jan. 5.—Opening prices per bushel on February contracts were:—

	Last week.	Last year.
Saturday	$1.27¾	$1.09¾
Monday	...	...
Tuesday	1.27½	1.09¾
Wednesday	1.26½	1.09¾
Thursday	1.30¾	1.08⅝
Friday	1.30¾	...

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States..	236,000	.....	319,000
Un'td Kingdom	220,000	20,000	51,000
Continent	559,000	205,000	185,000
Orders	.....	.....	846,000
Others	.....	8,000	.....
Totals	1,015,000	233,000	1,401,000

Visible Supply

	Bushels.
Last week	1,575,000
Previous week	984,000
Last year	3,543,000

Hull, Jan. 5.—La Plata flaxseed quoted at £16 per long ton; Bombay, £22½.

Linseed Oil.—A steady tone prevailed in the local market for linseed oil, quotations generally being held by crushers at the levels ruling in the previous week. There were reports of some increase in withdrawals on unfilled contracts, but new business was slow, many consumers and dealers being inclined to hold off for further developments in the crop and legislative situation as well as in the markets for other commodities.

Business in outside market for linseed oil was reported to have been stimulated by very bullish talk about the crop in Argentina. One estimate from a private source put the indicated yield at about 15,000,000 bushels less than the latest official figures of 49,200,000 bushels. Crushers were reported as good buyers of cash flaxseed in Northwestern markets. Receipts of flaxseed at New York last week were 209,548 bushels.

Minneapolis, Jan. 5.—The linseed oil trade revived more quickly than usual this year and maybe actual sales are not very liberal but inquiry is and buyers are keeping in close touch with the situation because of the steady stream of unfavorable Argentine news. Although the very low estimate of probable Argentine production offered by the Banca Nacional did not meet with general credence nevertheless there was considerable dynamite in the figures offered and oil buyers are becoming more jittery from day to day.

Shipping instructions continue good and mills currently are running at about 90 percent of capacity. Crushers speeded up promptly after the holiday period was over and if instructions continue to come in freely as apt to be under full production most any time. Shipments are increasing.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 10.7c. per pound; cooperage, car lots, 11.3c. per pound; warehouse lots, 11.7c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	2,400,000	604,450
Since Sept. 1	50,500,000	22,927,332

San Francisco, Jan. 3.—Linseed oil quiet and firm. Quoted:—Tankcars, 10.3c. per pound; drum lots, ex-mill, 10.9c.; drum lots, ex-warehouse, 11.3c. *Chicago*, Jan. 5.—Trade in linseed oil is fairly good for this period, with the tone firm. Tankcar, 10.7c. per pound; car lots, 11.3c.; less than car lots, 11.7c. *London*, Jan. 5.—Linseed oil, 40s. 6d. per cwt.

Cake and Meal.—A steady tone prevailed in the market here. Export trade in cake remained slow. Meal was also quiet here although increased activity was reported at some outside points.

Minneapolis, Jan. 5.—The linseed meal situation is much like that pertaining to linseed oil. There was prompt revival of interest after the holiday period ended and prices are holding firm to strong.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $36 to $36.50 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	5,300,000	2,283,950
Since Sept. 1	71,880,000	41,746,650

Chicago, Jan. 5.—With Winter weather conditions prevailing over the northern territory, the linseed meal market has been rather active. Round lots, $34 to $35 per ton; car lots, $35 to $36; less than car lots, $37 to $38.

Cottonseed Oil

Refined cottonseed oil futures were irregular, advancing early in the week and receding later on. Crude oil was slightly easier in parts of the South. Cake and meal generally steady or firm.

Trading in refined cottonseed oil futures in the local market was on a fair scale last week although few operators were disposed to add materially to their contracts on either side of the account at this season. Prices were irregular with other commodities, an advance early in the week being followed by a setback later on. Commission houses were on both sides of the market in a limited way. What was regarded by some as hedge selling was noted on strong spots. Tenders on January contracts amounted to 10. There was further switching from near to distant positions. January was switched to March at 8 points difference and to July at 12 points. March was switched to July at 20 points difference and May was switched to July at 10 points.

Southern markets for crude oil were quiet with offerings reported in a limited way in some sections at ⅛c. under the price in the previous week. Trade in cash refined oil was quiet. Soybeans were unsettled and quotations for soybean oil were reduced by some large interests. Corn oil was also a shade easier. Domestic business in cash lard was on a fair scale but there was no improvement in the export inquiry and clearances of lard from this and other ports for foreign destinations remained light.

Marketing of hogs in the West continued rather heavy despite severe winter weather, arrivals in the principal centers for three days of the week aggregating 248,200 head against 193,200 head in the same time last year. The weight of the hogs received in Chicago during the week ended December 30 averaged 233 pounds against 229 pounds in the previous week. Stocks of lard in Chicago increased sharply during the past month, the gain being 42,369,193 pounds against an increase for the same month in the previous year of 8,699,817 pounds. Stocks of lard in that market at the close of December were 85,177,558 pounds against 56,993,390 pounds at the end of the previous year. It was announced from Washington that the area allocated to cotton production during 1940 will be 27,070,173 acres, or 472,842 acres less than in 1939.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from January 2 to January 5, inclusive, comprised 292 contracts, a total of 17,520,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	7.33	7.15	7.00@7.15
March	7.25	7.06	7.09 sale
May	7.35	7.16	7.19@7.20
July	7.46	7.27	7.29 sale

Crude, Southeast, .00c. Nom.

Cake and Meal.—Southern markets were generally quiet as usual this season, but with offerings still light prices for spot material were apparently well maintained.

Markets at Other Centers

Atlanta, Jan. 3.—Fall breaking of land for cotton has been prevented by dry weather but recent rains have improved condition. At present the cold wave is holding up field work. Prime crude oil 5⅞c. to 6c.; 8 percent meal $31.50 to $32 per ton, southeastern mills.

Memphis, Jan. 5.—Crude cottonseed oil quiet. Today 6c. generally bid. Few scattered tanks available at 6¼c. Buyers and sellers indifferent. Meal fairly active; 41 percent $30.50 per ton, Memphis basis, prompt shipment. Bulk cake $28 per ton, Valley points, January, February, March shipment. Hulls $6.50 per ton at mill points. Seed $32 per ton.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	December 28.	January 5.
January	$29.60@29.90	$30.25@30.75
March	28.90@29.25	29.10@——
May	28.90@29.10	28.95@——
July	28.85@29.20	28.80@29.60

Chicago, Jan. 5.—Business in cottonseed oil has been a little slack. Good, off-Summer, yellow fig oil is 7⅜c. per pound. Refined, edible oil is 9¼c. to 9½c. per pound, barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

Hull, Jan. 5.—Cottonseed oil, refined, 30s. 6d. per 112 pounds; crude, Egyptian, 26s.

Fish Oils

Menhaden.—Refined oil firm at the advance noted in the previous week. Withdrawals on contracts increased. New orders for moderate quantities received in a somewhat larger volume.

Sardine.—Movement of refined oil on unfilled contracts and transient orders larger than in the previous week. Market retained a firm tone.

Sperm.—Quotations maintained and tone of market firm. Some increase noted in demand from local and other consumers.

Whale.—Local refined oil quotations unchanged. Market tone firm. Fair movement of moderate quantities.

Markets at Other Centers

San Francisco, Jan. 3.—A market in which available stocks for sale are rapidly diminishing caused California sardine oil last week to advance materially again in price as some 25 to 30 tankcars of oil, out of northern California production were written into contract on the basis of 36c. per gallon. Concurrently, production came to an almost complete standstill as the infinitesimal total of only 40 tons of sardines were turned in on the entire California Coast. This tonnage was accounted for in Southern California and was caught during the week ended January 29, according to figure released yesterday by the California Sardine Products Institute.

The oil market remains firm today. Buyers are still in the picture at 36c., but sellers have withdrawn to a 37c. level and are not very willing to sell at that, especially in view of the expectation that additional tonnage permits will be denied the reduction operators in San Francisco Bay.

The lightness of the catch last week was attributed to the presence of a full moon, followed by storms off the Coast.

Excepting for three which still have fish to run on their unexpired tonnage allotments, all of the plants in San Francisco Bay have closed down and it was seen as unlikely that the State Fish and Game Commission would make additional grants. Monterey Bay and Southern California however still have a potential of some 175,000 tons to run on their open permits, provided the fish can be found and it is estimated that the seasen may end up with something like 2,500 tankcars if the schools remain plentiful. At present something like 2,000 tankcars have been produced.

Production so far in Southern California has been very light and marketing operations there have consequently been slow.

Baltimore, Jan. 3.—The fishing companies operating in North Carolina waters stopped work the Wednesday before Christmas and since then weather conditions have been anything but propitious for resuming work. As only one or two factories have any oil on hand that is not covered by contracts further sales are at least problematical.

Fats and Greases

Grease.—Tone easier. Inquiry fair, with consumers generally disinclined to purchase in advance of current needs. Prices off ¼c.

Lard.—Local cash quotations irregular with futures. Moderate demand from domestic buyers. Export inquiry light and clearances for foreign destinations small. Stocks in Chicago increased 42,369,193 pounds during December.

Stearin.—Trade quiet but offerings light and the tone of market steady.

Tallow.—Fair inquiry for small or moderate lots but large consumers still generally inclined to hold off. Bids of 5½c. for extra reported to have been accepted.

There was no trading in tallow futures on the New York Produce Exchange from January 2 to January 5, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	...	...	5.40@——
March	...	...	5.50@——

Markets at Other Centers

Chicago, Jan. 5.—The market for cash lard and related materials has been rather slow, and without any outstanding feature. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Jan. 5.	Dec. 29.
Cash	6.20	6.00	6.00	5.90
January	6.20	5.92	5.95	5.97
May	6.95	6.57	6.65	6.72

Tallows (tierces.)—Edible, 5½c. to 5¾c. per pound; prime, 5½c. to 5¾c.; fancy, 5½c. to 5⅝c.; special, 5¼c. to 5⅜c.; No. 1, 5⅛c. to 5¼c.

Greases (tierces).—Choice white, 5¼c. to 5½c. per pound; A white, 5⅛c. to 5¼c.; B white, 5c. to 5⅛c.; yellow, 10-16, 5c. to 5¼c.; yellow, 16-20, 4¾c. to 5c.; brown, 4⅝c. to 4⅞c.

Stearins (barrels).—Prime oleo, 7c. to 7¼c.; lard, packaged, 7c. to 7¼c.; white grease, 5¾c. to 6c.; yellow grease, 5½c. to 5¾c.; oleo stocks, 8½c. to 9c.; No. 2 stocks, 8c. to 8½c.

Waxes

Bayberry.—Market moderately easy. Bids likely to be accepted. Some sellers show moderate reserve.

Bees.—Crude still on the easier side. Refined and yellow holding steady. Especially bleached material. Demand for manufactured grades still under year-end influences.

Candelilla.—Business steady. Future expected to show well maintained demand. Prices firm.

Carnauba.—Excellent export demand reported. Business greater that most importers can supply. Local quotations display substantial strength. Stocks narrow, and not widely distributed. Consumers' stocks believed larger than some estimate. Ultimate trend of Brazilian market lacks clear definition.

Japan.—More competition reported. Sales at 1½c. not confirmed. Minimum, 17c. Moderate trading.

Fatty Acids

Capric Acid.—A steady tone continued to prevail, quotations being held at previous levels. Trade fairly active.

Castor Oil.—The strength of basic material continued to be reflected in a firm tone in the market for castor oil fatty acid. Business good.

Coconut Oil.—A somewhat better inquiry for moderate quantities was reported. Quotations maintained at former levels.

Cottonseed Oil.—Business in this fatty acid was stimulated to some extent by an upturn in basic material. The market retained a steady tone.

Palm Oil.—This fatty acid remained in a firm position. New business was quiet but an increase was noted in the movement on contracts.

—*Continued on page 60*

JAPAN WAX

Deliveries from Spot Stocks

JUNGMANN & CO.
Incorporated
157 Chambers St., New York
Telephone BArclay 7-5128, 5130

SUN BLEACHED

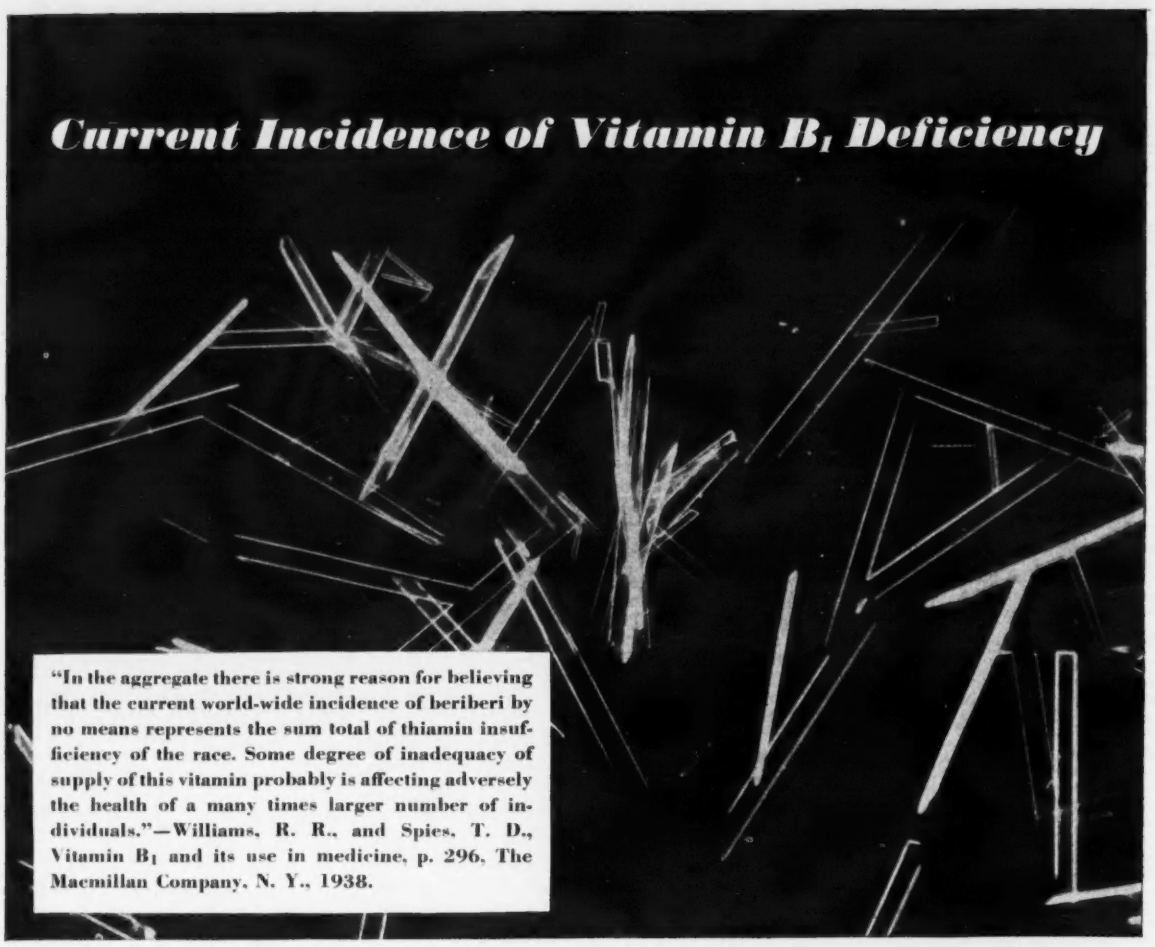
Beehive Brand **BEESWAX** · Finest Quality · Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E-1 Syracuse, N. Y.
Established 1855
Spermaceti Cerosine | Red Oil | Glycerine Stearic Acid

WARRANTED PURE BEES WAX

TALL OIL
90-92% SAPONIFIABLE
(About 45% Rosin Acids, 45% Fatty Acids)
Prompt Delivery Ex-Warehouse, New York
A. J. RIMBERG COMPANY
117 LIBERTY STREET, NEW YORK
Specialists Since 1920

A Guaranty of MERCK *Purity & Reliability*

Current Incidence of Vitamin B_1 Deficiency



"In the aggregate there is strong reason for believing that the current world-wide incidence of beriberi by no means represents the sum total of thiamin insufficiency of the race. Some degree of inadequacy of supply of this vitamin probably is affecting adversely the health of a many times larger number of individuals."—Williams, R. R., and Spies, T. D., Vitamin B_1 and its use in medicine, p. 296, The Macmillan Company, N. Y., 1938.

The consensus of investigators who have devoted considerable study to nutritional problems supports the expressed opinion that subclinical or borderline states of vitamin B_1 deficiency are much more prevalent than was formerly assumed.

Such deficiencies may arise not only from an inadequate dietary or impaired absorption, but also from an increased requirement for the vitamin as a result of greatly augmented metabolism in febrile conditions, hyperthyroidism, or vigorous muscular exercise.

Progressive manufacturers, aware of the increasing recognition of mild, chronic vitamin B_1 deficiency, are ensuring a desirable vitamin B_1 potency in their preparations by incorporating adequate amounts of the pure crystalline substance.

MERCK

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

★ 1818 ★

VITAMIN B_1 Crystals Merck

MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York • Philadelphia • St. Louis • *In Canada:* Merck & Co. Ltd., Montreal and Toronto

Drugs, Fine Chemicals

Seasonal Stimulation Raises Sales of Winter Drug and Chemical Items—Others Move in Routine Fashion—Prices Generally Steady — Outlook Favorable for Future

Trade picked up considerably in the drug and fine chemical market with the beginning of the new year. Orders that had been held back because of inventory considerations reached manufacturers in good volume. The resumption of activity was conservative and appeared to be dictated by conditions entirely normal to the market.

Winter weather brought in its goodly portion of larger business. Rise in seasonal ailments was widespread and reacted broadly and generally on the demand-reaching manufacturers from the distributing and manufacturing trades. This business seemed likely to continue until Spring shall bring the normal falling off of demand special to the Winter period. Basic raw materials were items of strength in the position of prices for derived materials. Almost without exception the position of such materials was entirely opposed to any immediate swing toward easier and lower prices. And with the international situation being totally devoid of signs suggestive of the war in Europe being ended, the consensus was that the drug and fine chemical market was destined to show strength in all departments of trade.

Price Changes

Advanced

None

Reduced

Quicksilver, $1 per flask.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
196.4	196.4	194.9	182.7

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Trade responds moderately to seasonal influences. General undertone steady to firm. Prices show no unsettlement.

Acetophenetidin. — Seasonal interest reported gaining. Complete price stability prevails. Supplies ample.

Acid, Acetylsalicylic.—Gain in sales noted as seasonal influences press against suppliers' stocks. Prices fully firm.

Acid, Boric.—Satisfactory amount of business booked for first half requirements. Completely stabilized market opens new year.

Acid, Citric.—Well stabilized prices contribute to consumers' confidence in market. Trade normally quiet.

Acid, Tartaric.—Future of market committed to strength as raw material costs hold high. Conditions suggest early expansion in consumption.

Alcohol.—New year begins with market in encouraging position. Surplus stocks reduced. Competition lessened in Metropolitan area. Production gauged reasonably close to probable needs of buyers. Prices show substantial stability.

Aloe.—All advices stress primary market strength, especially in Curacao. Stocks comparatively low. Demand moderately good here.

Aloin.—Steady movement of routine quantities noted. Values firm, reflecting cost of raw material.

Ammonia Benzoate. — Trade normal and showing tendency to grow. Inquiries for later delivery very good. Prices firm.

Ammonia Chloride.—Rising total of seasonal ailments increases ultimate consumption of the U.S.P. article. Prices very steady.

Antipyrene.—Distributors sales gaining under seasonal influences. General trade more active at firm prices.

Bismuth Metal and Salts.—Sales prices and volume well stabilized. Metal costs well maintained as consumption reaches satisfactory totals. Competition moderate for business in salts.

Borax.—Consuming requirements to June 30 well covered by contract bookings at last half, 1939, prices. Change in freight rates for buyers' account.

Cadmium.—Gain in automotive unit production expected to raise consumption of this metal. Prices firm. Derived products in fair request. Little competition.

Caffeine.—Sales of citrated material rise to seasonal levels. Alkaloid moving well. Prices fully firm. Competition negligible.

Camphor Monobromate. — Production cost warrants price of $1.90 to $1.95 per pound. Tendency upward remains. Seasonal sales increasing.

Castor Oil.—Demand holding at high levels. Output from mills less than sales could care for. Prices very firm with most sales being on less than car lot basis. Car lot drums, and tank, deliveries hard to make.

Chicago, Jan. 4.—Castor oil strong. Buyers are anxious to cover needs. Sellers' offerings limited. Ruling prices are:—No. 1, barrels, car lots, 13½c. per pound; barrels, less than car lots, 14¼c.; returnable drums, car lots, 12⅝c.; drums, less than car lots, 13¾c.; tanks, 12⅜c.; No. 3, barrels, car lots, 12⅝c.; barrels, less than car lots, 13¾c.; returnable drums, car lots, 12⅛c.; drums, less than car lots, 13¼c.; tanks, 11⅞c.

Codeine. — Phosphate and sulphate under influence of increasing seasonal demand. Prices fully stable. Stocks ample.

Codliver Oil.—October imports from Norway totaled 114,830 gallons medicinal, 64,850 gallons poultry, and 19,341 gallons technical oil. Comparing with September as follows:—Medicinal oil, 405,850 gallons; poultry, 269,818 gallons; technical, 109,495 gallons. Exports from Hull discontinued until British home needs are assured. Humber fishing industry working at 10 percent capacity. British home needs 8,000 metric tons a year, normal conditions. Spot market more active as consumers' Winter needs grow.

Cream of Tartar.—Moderate revival of sales. Prices firm to strong. Raw material situation unimproved.

Ephedrine.—Good stocks of natural ephedrine moving and in reserve. Plentiful supply of U.S.P. synthetic material available and assured. Demand seasonally spirited.

Glycerin.—No weakness noted. Deliveries on contract in good volume. New business active along normal lines. No lack of goods for actual consumption needs. None available for speculative buying. Refiners expect continued price stability.

Chicago, Jan. 4.—Glycerin buying nearly normal. Tone steady. Prices stable. Ruling prices are:—Chemically pure, tanks, 12¼c. per pound; drums, car lots, 12½c.; drums, less than car lots, 13c.; high gravity, tanks, 11¾c. per pound; drums, car lots, 12c.; drums, less than car lots, 12½c.

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 7

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

QUICKSILVER
TARTARIC ACID
CREAM OF TARTAR
TEASEED OIL RED OIL FATTY ACID RICE BRAN OIL
LEGHORN TRADING CO., 21 West St., New York City
Branches: Boston Philadelphia

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

FINE CHEMICALS
CREOSOTE
CREOSOTE CARBONATE
GUAIACOL
GUAIACOL CARBONATE
POTASSIUM
GUAIACOL SULFONATE
Acetylsalicylic Acid
Salicylates
Benzoates • Benzaldehyde
Bromides
Formaldehyde
Paraformaldehyde
Methenamine
Glycerophosphates
Silver Proteins
HEYDEN Chemical Corporation
50 UNION SQUARE NEW YORK, N. Y.
CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J. Ferds, N. J.

Iodine and Iodides.—Sales, Chilean producers, 1938-1939 totaled 891 metric tons, a gain of 59 tons over previous year. Iodide business steady but moderate in size last week.

Mannitol.—Prices seem stable. Business along routine, normal lines. Undertones steady.

Menthol.—Japanese natural material steady. Price advance maintained. Trade still irregular. Movement, domestic synthetic, holding steady.

Mercurials.—All prices unchanged. Severe rise in quicksilver market not yet reflected. Current call conventional in kind and volume.

Morphine.—Gain in seasonal requirements of sulphate gives added price stability. Other salts move in routine manner. Stocks suffcient.

Potash Acetate.—Consumption of U.S.P. item expanding with rise in seasonal requirements. Prices very firm.

Potash Bromide.—Sales rising slowly as seasonal need grows. Steady prices.

Quinine.—Sales very good. Interest broadening as Winter needs grow. Prices have strength.

Quicksilver.—Price, $157 to $165 flask large lots. Demand lags. Market sensitive to broadening of request. Spot sale, confirmed Friday morning, small lot, reported in one quarter at $150. Standing order, 200 flasks at less than $157 still unfilled. Reported $7 rise in London unconfirmed officially.

San Francisco, Jan. 3.—Buyers resist recent quicksilver advances. Believed New York buyers' top price $145 per flask. Spot sellers say prices too low. Buyers and sellers stalemated.

Silver Nitrate. — Price schedule, basis 100-ounce lots. Smaller lots cost 1c. to 2c. more; 500 ounces, about 1c. less. Table compares prices on bullion, New York and London.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	..
*Monday	26⅞	..	..
Tuesday	26⅞	34¾	22
Wednesday ..	26⅞	34¾	21⅝
Thursday	26⅞	34¾	21⅞
Friday	26⅞	34¾	21⅞

* Holiday. † Closed.

Current prices on drugs and the fine chemicals are given in the alphabetical list of prices beginning on page 6

THE MANUFACTURE

of Norwegian Cod Liver Oil is subjected to control by the state, and the utmost care is taken to see that the detailed regulations for manufacture, cleanliness and hygiene, are rigidly observed in every particular. The regulations for the manufacturing of medicinal cod liver oil are issued in the form of a law and also include export of the oil.

Not a single barrel or bottle of Norwegian medicinal cod liver oil is therefore permitted to be exported before chemical examination of the oil, and also tests for taste and smell, have proved that the oil is genuine, wholesome and pure. As a proof that the oil has been approved by the Control, the consignment is accompanied by a certificate of control, which is yellow for the very best quality. Every importer should in his own interests take care that the consignment is accompanied by the certificate issued by the Norwegian Government Control.

NORWEGIAN COD LIVER OIL
World famous for its supreme quality.

For printed matter apply to: Reklamefondet for Norsk Medicintran, P. O. Box 224, Bergen, Norway.

CHLOROFORM
Technical Standard Quality Prices on Request
CHAPLAIN & BIBBO, Inc., 110 Washington Street, New York

FISH LIVER OILS
HIGH VITAMIN POTENCY
CONSUMERS IMPORT COMPANY, INC.
349 MADISON AVENUE, NEW YORK

VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
111 JOHN STREET, NEW YORK, N. Y.

Water Softener for a Million "Saturday Nights"

Rides to Market with SIGNODE

● Because the traffic manager of one of the Nation's largest manufacturers of water softener* investigated the Signode System, his firm today is reaping a rich reward in lower car door bracing costs. He is also eliminating a great source of customer complaints from damaged merchandise. The System, employing Signode Anchor Strapping applied across car doorways, has substantially reduced cost of door bracing materials. It has cut loading to a fraction of the time formerly required. Also in providing first class protection to goods in transit, it is proving a valuable aid in building *and holding* customer good-will.

Whatever the nature of your product—whether you ship in barrels, kegs, drums, cartons or bags—call in your local Signode representative. He is equipped with facts and figures to show you results you get with Signode methods. Or, write us direct, naming your product.

**Name on request.*

Ask Us About Signode Strap Cutter for Quick, Easy Opening of Incoming Steel Strapped Shipments.

SIGNODE STEEL STRAPPING CO.
2641 N. WESTERN AVE. Chicago, Illinois
379 Furman St., Brooklyn, N. Y.
469 Bryant St., San Francisco, Calif.

40 OFFICES THROUGHOUT UNITED STATES AND CANADA

REFINED GLYCERINE

ALL GRADES
CHEMICALLY PURE U.S.P.
CHEMICALLY PURE B.P.
YELLOW DISTILLED-HIGH GRAVITY-DYNAMITE

Refineries located at:
- BROOKLYN, N. Y.
- JEFFERSONVILLE, IND.
- JERSEY CITY, N. J.
- BERKELEY, CALIF.
- KANSAS CITY, KANS.

COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 Hudson Street Jersey City, New Jersey

BROMINE U.S.P. AMMONIUM BROMIDE U.S.P. granular
POTASSIUM AND SODIUM BROMIDES U.S.P.
granular, crystals or PELLETS (for export)
B. L. LEMKE—FINE AND RARE CHEMICALS
74 VARICK ST. Telephone WAlker 5-9870-1 NEW YORK, N. Y.

TARTARS
WILLIAM NEUBERG, Inc., 441 Lexington Ave., NEW YORK, N.Y.
MUrray Hill 6-1990

Baker's chemicals
IODIDES
Your choice of Ammonium, Potassium, Sodium. All free from Iodates and relatively free from Chlorine and Bromine compounds. Write for free testing samples.
J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.
New York Philadelphia Chicago

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

ELECTRICAL TESTING LABORATORIES, NEW YORK
East End Avenue at 79th Street
ETL Know-by Test
Colorimetric and Specto-photometric Analyses.
Ultra-Violet Transmission and Absorption.
Extinction Co-Efficient of Vitamin A Oils.
Accelerated Aging Tests of Paints, Electrical, Chemical and Physical Tests of Oils, Papers and Engineering Materials.
Certification and Witness Tests.

CHAMBLISS, HARDEE, M.S., PH.D.
1715 Varnum Street, N.W., Washington, D. C.
CHEMIST: SPECIALIZING IN DRUGS AND COSMETICS
Assistance, Advice and Expert Testimony
Concerning Composition, Labeling and Advertising
After seventeen years residence in Washington as college professor and dean; also as part-time consulting, analytical and research chemist, now gives entire time to problems arising from the new Federal Food, Drug and Cosmetic Act. (Daily contact with the Food and Drug Administration, also with the Federal Trade Commission.)

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
114 E. 32nd Street, New York
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALIST IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

Charles H. LaWall—1871-1937 Joseph W. E. Harrisson
LaWALL and HARRISSON
Pharmaceutical and Chemical Research. Biological Assays. Pharmacological Studies in association with Clinical Tests. Routine Drug and Food Control.
214 So. 12th Street Philadelphia, Pa.

E. L. LUACES & ASSOCIATES
INDUSTRIAL CHEMICAL CONSULTANTS
Development and control of processes for recovery or disposal of industrial wastes and active carbon manufacture and use. Technical advice on and supervision of advertising copy, patent and research programs, and production methods. Economic, literature and patent surveys. Special interest in Latin-American problems. Spanish, French and Portuguese correspondence invited.
P. O. Box 50 Woodhaven New York
Phone: CLeveland 3-2496 Cable: Adsorbit, Newyork

PROTECT YOUR IDEAS BY PATENTS
Call or Send me a Sketch or Simple Model
WHAT IS YOUR INVENTION?
Z. H. Polachek
1234 BROADWAY, NEW YORK
PATENT ATTORNEY
CONFIDENTIAL ADVICE
REGISTER YOUR TRADE MARKS
U. S. Pat. Off. records searched
ANY invention or Trade Mark
FREE CONSULTATION
LITERATURE
Phone: LOngacre 5-3088

SADTLER, SAMUEL P. & SON, Inc.
RESEARCH AND ANALYTICAL CHEMISTS.
Special Laboratory Equipment for your work.
210 South 13th Street Philadelphia, Pa.
"Nothing Pays Like Research"

Chemical Engineers—
Representation on this page would result in inquiries and business. We have a special rate for professional cards. May we quote it to you?
Oil, Paint and Drug Reporter 59 John Street, New York, N. Y.

BACTERIOLOGY
Research Routine
Industrial Medical
LELAND BROWN LABORATORIES
6816 Market St. Upper Darby, Pa.

Bureau of Chemistry
New York Produce Exchange
H. P. Trevithick, Ph.B., B.S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research

ROBERT CALVERT
Chemical Patents
50 East 41st Street - New York
LExington 2-7649

M. J. Carpinello Co.
OFFICIAL and LICENSED SAMPLERS, WEIGHERS, and INSPECTORS
Members N. Y. Produce Exchange, Oil Trades Association of N. Y.
Official Weighers, Inspectors and Samplers for the N. Y. Produce Exchange, the National Cottonseed Products Assn., the N. Y. Cocoa Exchange, Inc.
2 Broadway, New York Tel. BO. 9-0416

COLLAPSIBLE TUBE FILLING
Pastes, Creams, Lubricants, Ointments, etc.
YOUR MATERIAL OR OURS. FULL MANUFACTURING FACILITIES
WRITE FOR QUOTATIONS
DAY CHEMICAL CO.
480 WASHINGTON ST., NEWARK, N. J.

Ehrlich, J., Ph.D.
CONSULTING CHEMIST
153 South Doheny Drive
Beverly Hills, California
Synthetic Organic Research
Fellow of the American Institute of Chemists.

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects.
4 Cherry Street Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-975 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4020

Hochstadter Laboratories, Inc.
Chemical Analysis, Consultants, Technical Experts, Investigations, Litigation.
Coals, Oils, Water, Foodstuffs, Gelatine, Beverages, Dairy Products, Confectionery, Drugs, Minerals, Textile Materials, etc.
Phone LOngacre—5-5260-5261
254 West 31st St. New York

DRAWBACK SPECIALISTS
Refunds of duty on materials used in exported products.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6841

INDUSTRIAL CONSULTING LABS., Inc.
Consulting Chemists
Paints, Varnishes, Lacquers
128 Water Street HAnover 2-1999

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street
OFFICIAL ANALYST
U. S. Shellac Importers Assoc. Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M.
Specializing in Perfumes, Toilet preparations, Pharmaceuticals and Flavors. Formulas perfected. Problems solved. Labels and Circular Matter revised to comply with the new Food, Drug & Cosmetic Act.
433 Stuyvesant Ave., Irvington, N. J. Phone ES. 2-8433
E. M. Laning, B. Sc., Manager

Miel, George A.
Analytical & Consulting Chemists
Specializing in the: Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
128 Water Street HAnover 2-9096

Molnar Laboratories
CHEMISTS and BACTERIOLOGISTS
Water, Oils, Foods, Drugs and Cosmetics: Special attention to Federal Food Drug and Cosmetic Act; Toxicological Studies.
Nicholas M. Molnar, M.S., F.A.I.C. Member Assn. Consulting Chemists
211 East 19th St. New York, N. Y. GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service
Bioassays: Official and New Methods. New and Old drugs studied: Literature, Toxicology, Pharmacology, Clinical effects.
6316 Market Street, Upper Darby, Pa.

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

Pellerano, S.
Consulting Chemist
Specializing in hot- and cold-molding compositions and other plastics.
1918-71st St., Brooklyn, N. Y.

W. S. Purdy Company, Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Products, Fuels, Waxes, Fats, Greases, Soaps, Detergents, Road Construction Materials, Paints, Varnishes, Lacquers, etc.
128 Water St., N. Y. C. HA. 2-3772

John E. Raisch & Co.
OFFICIAL and LICENSED WEIGHERS, SAMPLERS and INSPECTORS CARGO SUPERVISORS and CONTROLLERS
Licensed by N. Y. Cotton, N. Y. Cocoa, N. Y. Coffee and Sugar, Commodity and N. Y. Produce Exchanges.
15 Moore Street New York, N. Y.
Tel. BO. 9-4066-4069

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
202 East 44th Street New York, N. Y.
MUrray Hill 2-0067

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. G., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone AShland 4-4343.
16 East 34th St. New York City

ADHESIVE SPECIALIST
IRA I. SLOMON
For New and Original Ideas
L. I. CITY, N. Y.

Snell, Inc., Foster D.
CHEMISTS—ENGINEERS
Every form of chemical service.
305 Washington St. Brooklyn, N. Y.

Stillwell & Gladding Established 1888
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen
20 Norman Road Montclair, N. J.
Telephone 3-4516

Weiss and Downs, Inc.
CONSULTING ENGINEERS
Synthetic Phenol-Benzol, Toluol and other Coal Tar Products
50 East 41st Street, New York, N.Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

If Your Professional Card
were here others would be reading it now.
Send for rates.
Oil, Paint and Drug Reporter
59 John Street, New York

Antiseptic Solution Monograph Revised

The National Formulary monograph on *Liquor Antisepticus* (N.F. antiseptic solution) has been revised. The new monograph, which will become official July 1, has been published by the association as Interim Announcement No. 2, National Formulary, Sixth Edition. It is procurable from the headquarters of the association, 2215 Constitution avenue, Washington.

Aluminum Company of America, Pittsburgh, plans the construction of a plant in Vancouver, Wash.

Exporters to Discuss Credit

Wilbert Ward, assistant vice-president of the National City Bank, will address the Export Managers Club, at a luncheon-meeting in the Hotel Pennsylvania, this city, January 9. Mr. Ward will discuss "The Ten Letter of Credit Commandments."

Phila. Drug Dinner Jan. 25

The Philadelphia Drug Exchange will hold its annual banquet January 25 at 7:00 p.m. in the Bellevue-Stratford hotel. Arrangements are in the hands of R. G. Anderson, 1649 North Broad street.

THREE ELEPHANT
BORAX AND BORIC ACID
Purity Guaranteed Over 99.5%

The
AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada

TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

S. B. Penick & Company's

ALKALOIDS...

(and related chemicals from botanical sources)

Manufactured in the United States

THE logical source of supply for alkaloids is a house specializing in botanical drugs . . . a house that cultivates, or obtains *directly* from gatherers, its supply of domestic drug plants . . . deals in ship-loads of imported botanicals . . . sells in bulk only to manufacturers.

Such a house is S. B. Penick & Company — the only manufacturer providing all these advantages.

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK, N.Y.
1228 W. KINZIE ST., CHICAGO, ILL.

Let us quote on your requirements of:

ACONITINE POTENT CRYSTALS
ARECOLINE HYDROBROMIDE, N. F.
ATROPINE ALKALOID, U. S. P.
ATROPINE SULPHATE, U. S. P.
BERBERINE HYDROCHLORIDE
BERBERINE SULPHATE
BERBERINE ACID SULPHATE
COLCHICINE SALICYLATE
COLCHICINE, U. S. P.
EMETINE HYDROCHLORIDE, U. S. P.
EPHEDRINES, U. S. P. (Natural)
ESERINE SALICYLATE, U. S. P.
ESERINE SULPHATE, U. S. P. VIII
HOMATROPINE HYDROBROMIDE, U.S.P.
HYDRASTINE ALKALOID, U. S. P. IX
HYDRASTINE HYDROCHLORIDE, N. F.
HYOSCYAMINE ALKALOID
HYOSCYAMINE HYDROBROMIDE U.S.P. X
HYOSCINE HYDROBROMIDE, U. S. P
LOBELINE SULPHATE
PILOCARPINE HYDROCHLORIDE, N. F.
PILOCARPINE NITRATE, U. S. P.
YOHIMBINE HYDROCHLORIDE

ALSO:

ALLANTOIN
ASPARAGIN
CANTHARIDIN
CHRYSAROBIN, U. S. P.
SALICIN, N. F.
SANTONIN, U. S. P.

Prices for spot or contract shipment upon request

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Drug Act Label Warnings Given to F.D.A. Offices

—Continued from page 3

Nose drops, inhalants and sprays:—A. Those that contain oil as a vehicle or base:—"Caution: The use of excessive amounts of this preparation may be dangerous. Do not use at all in infants and younger children except on competent advice." B. Those that contain ephedrine, epinephrine, amphetamine (benzedrine), propadrine, neosynephrin, and other vaso-constricting drugs of similar activity:—"Caution: Frequent or continued use may cause nervousness, restlessness or sleeplessness. Individuals suffering from high blood pressure, heart disease, diabetes, or thyroid trouble should not use this preparation except on competent advice."

Volatile oils:—Preparations containing volatile oils, aromatics, or drugs of an oleoresinous nature and intended for their effect upon the urinary tract:—"Warning: If disturbance of the stomach or bowels, or skin rash is noticed, discontinue use."

Atropine and pharmacologically related drugs:—"Caution: Frequent or continued use of this preparation should be avoided. Discontinue if dryness of the throat, excessively rapid pulse or blurring of vision appears. Warning: This preparation should not be taken by elderly people except on competent advice."

Iodine or iodides:—"Warning: Do not use in cases of lung disease or chronic cough, goiter or thyroid disease, except upon the advice of a physician. If a skin rash appears, discontinue use."

Carbolic acid:—Preparations containing carbolic acid as a therapeutically active ingredient. Note: Products containing more than 2 percent of carbolic acid are not considered safe for indiscriminate distribution. "Warning: When applied to fingers and toes do not use a bandage. Apply according to directions for use, and in no case to large areas of the body."

Cresols, creosote, guaiacol or coal-tar derivatives intended for use as douches:—Note: Preparations intended for use after dilution should bear adequate directions for preparing solution and thorough mixing before pouring into douche bag. "Warning: The use of solutions stronger than those recommended may result in severe local irritation or burns or serious poisoning."

Cresols, creosote, guaiacol, or coal-tar derivatives intended for surface applications: — "Warning: Apply according to directions for use and in no case to large areas of the body.

Strychnine:—"Warning: Do not take more than the dosage recommended. Frequent or continued use is to be avoided and its use for children and elderly persons may be especially dangerous."

Anthelmintics

The following preparations in therapeutically potent doses are not safe for indiscriminate distribution and should only be used under the direct supervision of a physician:—

Carbon tetrachloride:—Note: Specific adequate directions for administration of a saline cathartic after use of this drug should be given. "Warning: Avoid taking castor oil or other preparations or foods containing oil or fat while this drug is being administered. The use of this preparation in debilitated children and persons addicted to alcohol is dangerous."

Tetrachloroethylene:—Note: Specific adequate directions for the administration of a saline cathartic should be given.

Aspidium (male fern):—Note: Specific adequate directions for administration of a saline cathartic should be given. "Warning: Avoid taking castor oil or other preparations or food containing oil or fat while this drug is being administered."

Santonin:—"Very important: Shake vigorously before using. Failure to do so may result in serious injury. Caution: The use of more than the prescribed dose is dangerous. Do not take castor oil or other preparations or foods containing oil or fat while this drug is being administered. The prescribed dose should not be repeated within days."

Chenopodium oil:—Note: Specific adequate directions for administration of a cathartic, preferably castor oil, should be given.

Thymol:—Note: Specific adequate directions for administration of a saline cathartic should be given. "Warning: Avoid taking alcohol or any preparation containing alcohol before, after, or during administration of this drug."

Analgesics

Acetanilide: — "Warning: Frequent or continued use may be dangerous, causing serious blood disturbances, anemia, collapse, or a dependence on the drug. Do not take more than the dosage recommended. Not to be given to children."

Acetophenetidin: — "Warning: Frequent or continued use may be dangerous, causing serious blood disturbances. Do not take more than the dosage recommended."

Acetanilide: — "Warning: Frequent or continued use may be dangerous, causing serious blood disturbances. Do not take more than the dosage recommended."

Bromides:—"Warning: Frequent or continued use may lead to mental derangement, skin eruptions or other serious effects. Do not take more than the dosage recommended. Not to be taken by those suffering from kidney disease."

Chlorates:—Mouth washes and gargles containing chlorates: — "Caution: Avoid swallowing."

Arsenic: — Preparations containing arsenic except those employed as chemotherapeutic agents for specific diseases such as syphilis, amebic dysentary, etc.:—"Caution: Continued or prolonged use may result in serious injury."

Quinine cinchonine and cinchonidine:—"Caution: Discontinue use if deafness, skin rash, visual disturbances (eye trouble), or other serious symptoms appear."

Silver salts:—Preparations containing silver salts:—"Caution: Prolonged or frequent use of this preparation may result in permanent discoloration of the skin and mucous membrances."

Cough medicines: — Preparations sold under representations relating to coughs due to colds:—"Important: Persistent coughs may indicate the presence of a serious condition. Do not use this preparation when the cough has persisted for ten days without securing competent advice."

Mercury:—Preparations containing mercury intended for administration by mouth or as douches:—"Warning: The prolonged or frequent use of this preparation or the use of amounts in excess of the prescribed directions may cause serious mercury poisoning."

Rubifacients, or irritants such as ammonia, arnica, cantharides, capsicum, chloroform, ether, methyl salicylate, pepper, mustard, or turpentine oil intended for surface application:—"Caution: This preparation may irritate the skin, particularly if applied with rubbing. Avoid getting it into the eyes or on mucous membranes."

Chrysarobin or goa powder:—"Caution: The use of this product over large skin areas may cause kidney irritation. Warning: Keep away from the eyes."

Digitalis, squill, strophanthus, or other pharmacologically related drugs in therapeutically effective proportions:—Note: Potent doses of these drugs have an accumulative action and may lead to disastrous effects upon the heart and circulation. They should be used only under the direct supervision of a qualified physician. "Caution should be exercised in using this preparation, particularly if the patient has had digitalis, squill, strophanthus, oubain or similar drug within the preceding three weeks. The appearance of anorexia (loss of appetite), nausea, vomiting, headaches or heart irregularities (palpitation) is often an early sign of full digitalization or overdosage. When such symptoms appear do not continue the use of this preparation without consulting the physician."

Southern Pest Control Conference Jan. 29-31

The Southern Pest Control Operators Conference will be held at the University of Louisiana, Baton Rouge, January 29-31. The Pacific coast conference will be held at the University of California, Berkeley, Calif., February 22-24. The conference at Purdue University will be held on January 15-19.

Botanical Drugs, Spices, and Gums

Botanical Demand Light—Revival Not Expected Until Toward End of Month—No Surplus of First Hand Stocks —Foreign Market Prices Firm

The first week of 1940 was a very quiet business period in botanical drugs. Without exception, dealers reported buyers still aloof save for requirements of pressing importance. Inventories of many buyers were proving to be sufficient to cover more than current needs and hence volume was down to seasonably low limits.

Basic conditions were still those more suggestive of genuine strength than anything else. At home and abroad basic conditions should make for stability of prices as the very least to be expected. In foreign primary markets, the conditions were such as to make a forecast of market strength a reasonably safe position to be taken by local dealers. Of course, future price events will hinge directly on future consuming demand and it is on that point that opinions may differ. Since the collection of European botanicals will take place under war-time conditions, the size of collections is highly problematical at this time. Political relationships on the Continent make it impossible at this to forecast to what extent war may continue confined to the present belligerents. Should future events result in eliminating of Italian ports as outlets for exports of central European crude drugs to this country; and should war eventually spread to the centers of actual collection, the effect on prices would be prompt and pronounced, in the opinion of the importing trade.

Balsams

Copaiba.—Stocks moderate. Undertones firmer. Prices unchanged but tending upward.

Tolu.—Market tending stronger. Less tendency to shade prices. Stocks conservative. Replacement position firmer.

Barks

Black Haw. — Considerable strength noted in dull market. Consumers still aloof. Low stocks, spot and country, contribute added market strength.

Buckthorn.—Steady undertones. Light demand. Stocks of cut bark shrinking. Replacement uncertain.

Canella.—Sellers show some reserve. Replacement position controlling influence. Prices firm to steady.

Cinchona.—Shipments from South America slow. Spot firm. Fairly certain supply from Java likely. Prices firm.

Elm.—Very good demand for jobbing parcels. Resumption of major trading awaited. Market undertones firm to firmer.

Lemon Peel.—New crop offerings expected. Some think in terms of lower replacement cost. Spot values maintained. Light demand.

Sassafras.—Shipments active on January deliveries bought in December. General undertone firm and tending firmer as best season looms. Prices fully maintained.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	...	230
Belladonna	...	...
Caraway	...	790
Cardamom (cases)	...	...
Celery	...	1,559
Coriander	...	1,655
Cumin	...	715
Digitalis leaves (cases)	...	...
Dill	...	...
Fennel	...	85
Henbane leaves (bales)	72	72
Mustard	...	378
Poppy	...	2,985
Sage leaves (bales)	...	322
Sesame	...	2,055
Stramonium	...	...
Thyme	...	89

Price Changes

Advanced

Celery seed, Indian, ½c. per lb.
Cassia buds, 1¼c. per lb.
Poppy seed, Dutch, ½c. per lb.
Hungarian, ½c. per lb.
Rapeseed, Dutch, red, ½c. per lb.

Reduced

Arabic gum, sorts, 1c. per lb.
Clove, Zanzibar, ¼c. per lb.
Grains of Paradise, 2c. per lb.
Papain, powdered, 10c. per lb.
Saffron, Spanish, $1 per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
183.3	183.3	178.7	118.1

Market news that may have developed after this report was sent to press will be found on page 4.

Beans

Calabar.—Quiet and narrow market. Prices unchanged.

St. Ignatius.—Sellers firm in views. Little call. Future likely to remain quiet. Prices maintained.

Vanilla.—Undertone strong on spot. Prices very firm. Replacement costs show no weakening. Current demand light. More call expected toward end of month. Little competition.

Berries

Cubeb.—Replacement and spot prices firm. Fair buying of futures, but little out of spot stocks. No weakness here.

Fish.—Small orders rise moderately. All prices fully firm.

Raspberries.—Undertones firm. Sellers rather reserved. Inventories moderate. Replacement costs well maintained. Spot prices firm. Little competition.

Flowers

Arnica.—Slightly more local competition as demand falls away. No change in open quotations.

Calendula.—Generally steady market. Demand light but steady. Prices quiet but firm.

Clover Tops.—Little competitive shading. Generally steady undertone. Pickup in demand expected.

Lavender.—Fairly favorable market for consumer operations. Trade quiet last week. Prices about steady.

Mullein.—Reserves moderate and concentrated in few hands. Small sales confirm quotations. Virtually no competition.

Poppy. — Buyers inactive. Stocks moderate. Prices steady to firm in market of small competition.

Safflower.—Steadier undertones maintain prices. Buyers trade in prompt requirements only. No large surplus of supplies.

Saffron.—Spanish flowers shaded to $37 to $38 per pound as demand pauses. Mexican flowers steady regardless of light call.

Gums

Arabic.—Sorts slightly lower at 16½c. to 17c. per pound as demand lags. Powder, 19½c. to 20c. Market more competitive locally. Source steady.

Asafetida.—Some not offering firm. Others show some reserve. Prices reasonably stable. Trade quiet.

Benzoin.—Sumatra gum steadier as competition relaxes. Outlook favorable for fair sized trading. General improvement expected.

Guaiac.—Market firm. Activity within jobbing confined. No weakness locally.

Karaya.—Outlook for resumption of good demand counted satisfactory. General price position firm to stable.

Myrrh.—No large unsold stocks. Current demand better than normal for period of years. Prices well maintained.

Sandarac.—Unsold world stocks lower of record. Prices strong even though demand lags. Sellers reserved in all markets.

Herbs and Leaves

Buchu. — Buyers aloof, expecting lower prices as new crop is marketed. General waiting period prevails. Spot prices unchanged.

Damiana.—Major replacements fail to arrive. Some lots overdue. Shipments from source uncertain. Spot market high. Future arrivals offered at 17½c. per pound against spot quotation of 35c.

Deertongue. — Quotations steady in dull market. Stocks firmly held by dealers. Reserves moderate.

Ephedra.—Continuing supply of raw material expected by ephedrine manufacturers. Prices reasonably favorable.

Henbane.—Market firm in undertone. Inactive as to demand. Prices lack backing by normal reserves. Hence, they are nominal.

Henna.—No further sagging of spot prices. Danger of real shortage believed averted. Outlook good for future business, but competition expected to increase.

Marjoram.—More stability to prices. Less downward tendency. Not much spot demand last week.

Miscellaneous

Cantharides.—Generally steady prices. Not much spot demand. Competition not aggressive.

Colocynth Pulp.—Large orders would probably bring about more competition than apparent in spot market. Open quotations hold.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

WHAT'S IN A NAME?
Whatever you put into it!

It costs just as much to manufacture a low-test preparation as a high-test product. **And, in the last analysis, your name is judged by what you make it mean to the public. In purchasing the Botanical Crude Drug ingredients that go into your product, the most unalterably important thing you must consider is—*uniformity of quality*. If you choose not to compromise with this ideal, if you must be absolutely certain of your source of supply and the quality you can dependably expect from it, look into our facilities for meeting your strictest requirements. We have invested nearly 50 fruitful years in checking ourselves against your specifications. *Samples and quotations on request.***

J. L. HOPKINS & CO.
PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
220 BROADWAY • NEW YORK

CHIPMAN ROTENONE PRODUCTS
Concentrated EXTRACTS
GROUND ROOT and IMPREGNATED DUSTS
DRY SODIUM ARSENITE — DRY SODIUM ARSENATE — SODIUM CHLORATE
CHIPMAN CHEMICAL COMPANY, INC.
P. O. Box 309, Bound Brook, N. J.
INFORMATION AND QUOTATIONS FURNISHED ON REQUEST

GUMS
IMPORTERS
GUM ARABIC
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
GUM KARAYA
NEW ENGLAND REP.
G. H. BUNTON
CAMBRIDGE, MASS.
PHILADELPHIA REP.
R. PELTZ & CO.
36 KENILWORTH ST.,
TEL: LOMBARD 6359
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-3750

HYDROXY CITRONELLAL SPECIAL

Stability in Soap and Cosmetic Perfumes is assured by the use of HYDROXY CITRONELLAL SPECIAL.

The fact that ordinary Hydroxy Citronellal turns rancid in time has long been a drawback. This new product remains stable indefinitely.

The odor you incorporate in your product is of no greater value to you than its condition on reaching the ultimate consumer.

Considering the fact that HYDROXY CITRONELLAL SPECIAL, because of its stability, is no more costly in the long run than the ordinary grade, it is readily understandable why some of the largest users of the product have adopted it.

Requests for samples on your firm's letterhead will be promptly answered.

AROMATICS DIVISION
GENERAL DRUG COMPANY

170 VARICK ST., NEW YORK — TRANSPORTATION BLDG., LOS ANGELES, CAL.
9 SO. CLINTON ST., CHICAGO, ILL. — 907 ELLIOTT ST. WEST, WINDSOR, ONT.

Ergot.—Situation still very strong. Unlikely to become easier earlier than marketing of 1940 Spanish crop. Small stocks abroad held in strong hands. Price tendency upward.

Grains of Paradise.—Market shaded to 45c. to 47c. per pound under competition.

Guarana.—Firm prices prevail in market of irregular demand. Replacement costs well maintained.

Lycopodium.—Prices high and firm. Not much call. Stocks low. Higher quotations likely should major request develop.

Papain.—Larger stocks bring lower prices. Spot, $1.50 to $1.60 per pound for powder. Conditions more favorable for buyers.

St. John's Bread.—Bottom of decline believed reached. Firmer undertones developing. Better demand expected.

Roots

Aconite. — Moderate stocks in firm hands. Prices well maintained. Narrow demand noted.

Arrow. — Recent advance develops market strength. Rise but covers replacement cost.

Belladonna.—Firm prices, all markets. No surplus of supply anywhere. Foreign holders have strong views.

Dandelion.—Advance in prices consolidated as demand broadens. Tendency still upward. Shortage can develop.

Gentian.—Market still easy and unsettled. No further drop in open quotations. Conditions favor buyers.

Ipecac.—Primary market show considerable strength. Spot slow in reflecting situation at sources of supply.

Mandrake.—Unsold stocks in country in strong hands. Prices well maintained in absence of competition.

Orris. — Undertones still unsettled, though less so. Recent decline in prices not extended.

Rhubarb.—Quality of replacement offerings lack normal quality standards. Good grade material very firm on spot.

Squill.—Winter call very good. Prices steady to firm and gaining in stability.

Seeds

Anise.—Market steadier. Little downward pressure on prices last week. Not much demand.

Caraway. — Quotations generally steady. Decline believed to have run its course.

Celery.—Indian seed higher at 15¼c. to 15¾c. per pound. French seed unchanged. Undertones generally steadier.

Dill.—Stocks of recleaned seed decreasing. None too ample at best.

Mustard.—Narrow choice of varieties available. Prices firmer than demand would suggest.

Poppy.—Market up. Prices:—Dutch, 14c. to 14½c. per pound; Hungarian, 14c. to 14½c.

Rape.—Demand for oil curtails supply of seed, primary markets. Red Dutch seed up to 8½c. to 9c.

Spices

Cassia.—Buds advanced to 14¼c. to 14¾c. per pound. Batavia, China, and Saigon spice steady.

Clove. — Zanzibar spice shaded to 17½c. to 18c. per pound. Madagascar still nominal.

Ginger.—New crop African yet to be offered. Offerings overdue. Jamaica and Japanese root steady to firm. Routine demand.

Mace.—More price stability noted. Undertones steadier.

Nutmegs.—Movement slow and down to seasonable limits. Prices steady.

Paprika.—Strictly capsicin free offerings from Hungary hard to get. Return to normal conditions depends on Spanish crop this year.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 6

Drug Law Seizures Limited by Charges

—Continued from page 3

conform with the law, some have been apprehensive about the pending libel actions in the fear that if they lose these cases and judgments are entered against them their products will be open to multiple seizure for all charges for all time to come.

As interpreted by F. D. A. officials, however, section 304 (a) gives no ground for such a fear. Using toothpaste as an example, if judgment is entered on the slack-filled-package charge, the administration could then make multiple seizures of this brand on further charges of slack-filling; but if the same brand should later be seized on a charge of false therapeutic claims the prior slack-filling judgment would not operate to permit multiple seizures on the later charge.

There is another provision in this section under which multiple seizures may be made if the Secretary of Agriculture makes an affirmative finding that an article is so misbranded as to be dangerous to health or fraudulent, but this provision would operate whether or not there had been a prior judgment against the article on any charge.

Peppers. — Prices immobile. Little change in general conditions. Advance unlikely at early date, according to importers. Good stocks held on this market.

Trading in black pepper futures on the New York Produce Exchange from January 2 to January 5, inclusive, comprised 82 contracts, a total of 2,755,200 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	4.29	4.23	4.22@4.25
March	4.43	4.24	4.31@4.33
April	4.40	4.40	4.36 nom.
May	4.52	4.30	4.37@4.42
July	4.58	4.39	4.45@4.50
September	4.67	4.51	4.51@4.59

Mentholatum Company held a meeting last week of sales representatives from the entire United States at its offices in Wilmington.

Liggett Drug Company, a subsidiary of United Drug, Inc., has been merged with the May Drug Company of Pennsylvania, with Liggett as the surviving corporation.

AGAIN OFFERING CONTRACTS for

OIL of DILL WEED

We are again favorably placed with respect to this outstanding Fritzsche Specialty and are glad to announce resumption of contract offerings. Makers of regular and processed dills who have relied upon F. B. OIL OF DILL WEED for its economy and superior flavor are urged NOW to arrange their season's requirements.

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Price Stability Governs Essential Oils and Aromatic Chemicals —Trade Still Curtailed by Seasonal Operations—Broader Demand Expected — Spot Stocks Conservative

The first week of the new year found essential oils and aromatic chemicals moving quietly and in reduced volume. In all probability, the volume of sales was no smaller than seasonal considerations would dictate under normal conditions. This year, however, the heavy selling through much of the final quarter of the year has apparently supplied consumers with substantial quantities of reserve stocks and hence the quiet character of current selling was in line with reasonable expectations.

Basically, all items were in firm position. Regardless of material, if it be an imported item its primary market position was one of substantial strength. Slackening in demand for replacement parcels has had little or no effect on the price views of foreign suppliers. Hence, the underlying and motivating factor of the spot market stemmed from an apparently strong, or at least highly stabilized, foreign price position.

Inventories in the hands of local dealers were conservative. Heavy sales in the October-December period reduced stocks substantially and replacement arrivals have not brought reserves back to normal size. The market was counted one of strength at the start of 1940 and sellers expected sales volume to show improvement in the not far distant future.

Price Changes

Advanced

None

Reduced

Pineneedle, 5c. per lb.
Ti tree, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
92.7	92.7	91.7	68.7

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Artificial material firm, in fair request, with prices steady. Natural oil quiet but well maintained. Sweet oil very firm.

Amber.—Request irregular and mainly jobbing. Prices steady.

Angelica. — Little demand at firm prices. Future uncertain due to war conditions likely to affect new production.

Anise.—Market quiet and fairly easy without change in price. Demand narrow. No shortage in stocks.

Apricot.—Buyers trade only up to actual needs. Quotations steady. Primary market prices firm.

Bay.—Stocks plentiful compared with volume of demand. Quotations very steady. Primary market well maintained.

Bergamot. — Demand light, lacking steadiness. Prices firm based on import cost. Reserves proving ample.

Bois de Rose.—Normal offers from primary market lacking. Makes for firm prices in a not active spot market.

Cajeput.—Undertones steady to firm. Shipments of forward obligations for January made promptly. Prices well held.

Calamus. — Little interest shown. Prices about firm.

Camphor.—Reserves very small and not likely to gain. Prices high and offerings small at source. Ready market for anything available.

Cananga.—Inquiries gain moderately but sales volume is unchanged. Prices about steady.

Capsicum (Oleoresin).—Prices reflect raw material cost and strength. Demand gaining moderately. Undertones firm.

Caraway.—Firm prices. Light demand. Replacements tend to become normal. Undertones steady, all markets.

Cassia.—Little competition and no tendency to shade prices. Demand about normal for time of year. Replacements believed assured. Cheap oils suggest introduction of cinnamic aldehyde.

Cedarleaf.—Producers' prices firmly maintained. Dealers quotations steady. Movement into consumption along jobbing lines.

Cedarwood. — Much speculation regarding future of export trade. War may cut out movement. Prices steady to firm.

Celery.—Raw material weakness still apparent. Oil prices hold. Sales outlets seasonally narrow.

Citronella. — Undertones very firm. Prices maintained in primary markets free of potential weakness at moment. Outlook fair for first quarter sales.

Clove.—Producers' prices very steady. Raw material cost shows increasing stability. Production sold well ahead. Deliveries still delayed.

Coriander.—Jobbing business fair at steady prices. Plenty of raw material available. Little if any genuine imported oil available.

Cypress.—Lacking in demand but very steady as to price.

Dill. — Contract selling making good progress. Quotations generally steady, all quarters. Pacific Coast production being offered here.

Erigeron.—Low in supply. Prices fully maintained. No general distribution of stocks.

Eucalyptus.—Market strong. Future committed to strength. Source offers small lots irregularly. Prices almost nominal here. Steady demand.

Fennel.—Prices maintained sturdily. Demand remains light and for prompt requirements. Stocks moderate.

Geranium. — Undertones display strength. Replacement costs no easier. Limited spot demand keeps volume to recent levels. Prices firm.

Grapefruit.—Floridian production expected to be normal. Prices attractive at beginning of manufacturing season.

Ginger.—Production costs apparently stabilized, due to raw material position. Demand normal for this time of year. Prices steady.

Hemlock.—No price weakness despite moderate demand. Stocks moderate, spot and country.

Juniper.—Berry oil firm, all points. Demand about normal. Continuing supply likely from source.

Lavandin. — Moderate stocks firmly held under fair but not expanded demand.

Lavender.—All prices firmly held. Movement to consumers promises to gain. Current trade moderate. No surplus of supply. Consumer needs believed protected.

Lemon.—No major offerings, new crop Italian oil. California oil available in ample quantities. Prices remain attractive. Consumer demand seasonally low.

Lemongrass. — Markets strong, all points. Prices fully maintained. Consumer requirements fairly well protected here.

Lime.—No weakness at sources of supply. Spot steady to firm. Trade along quiet lines covering prompt needs.

Mace.—Producers report some gain in deliveries against sales. Prices very firm. Forward sales in good volume.

Nutmeg.—Production well sold ahead and deliveries against orders delayed. Prices firm in all respects.

Orange.—Trade seasonably quiet. Coverage of Spring needs by beverage trade looked for soon. Prices low and favorable. Considerable competition.

Patchouli.—Prices firm at source. Few bids being accepted there. Spot quotations well maintained. Demand moderate. Little competition locally.

Pennyroyal.—Strong position prevails in quiet market. Stocks must cover needs for some time to come. Prices very firm.

Peppermint.—Country dealers raise their buying prices. Spot quotations very firm, though unchanged. Not much demand current here. No weakness apparent anywhere.

Petitgrain.—Primary market firm. Offering little. Spot steady under light trading. Conservative stocks here.

Pineneedle.—Prices lower. Market $1.20 to $1.25 per pound. More competition since stocks increased.

Rosemary.—Trade hoping for good production in Spain this year. Stocks small at all points. Prices firm.

Sassafras.—Very firm price position. Lack of expanded demand fails of adverse effect on spot. Applicable to both natural and synthetic material.

Savin.—Substantial price stability. Demand still irregular; mainly jobbing last week. Stocks conservative.

Tansy.—Moderate stocks in primary market firmly held. Little call reached spot dealers.

Thyme.—Conservative trading at very firm prices.

Ti Tree.—Prices lowered. Market, $2.30 to $2.80 per pound. Favorable exchange permitted reduction.

Wormseed. — Country prices show strength. No weakness here. Present call conservative. Fair outlook for future.

Wormwood.—Unsold primary market stocks small. Held in firm hands. Dealers' spot holdings conservative at firm prices.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

ECONOMY IN WATER SOLUBLE BOUQUET ODORS . . .
ROSESOL MM&R . . . makes a Rosewater lower in cost and superior in every way to Rosewater U. S. P. quadruple strength.
ORANGESOL M M & R . . . produces, at noticeable saving, the highest grade of Orange Flower Water, closely approximating Orange Flower U. S. P. quadruple strength.
BLUEBELLOL M M & R . . . 1 oz. to a gal. of distilled water produces a fragrant lilac water of splendid character.
MAGNUS, MABEE & REYNARD, INC.
Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors . . . Since 1885
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. Wacker Drive
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
An MM&R ECONOMY POINTER

Any problems in the Essential Oil line?

If so, let us help you. **We are manufacturers** and our experience covers a period of **fifty-five years.**

Samples and quotations furnished with pleasure.

•

GEORGE LUEDERS & CO.
427-429 WASHINGTON ST., NEW YORK
Factory: Brooklyn *Branches:* Chicago, San Francisco, Montreal

D. W. HUTCHINSON & CO., Inc.
IMPORT **ESSENTIAL OILS** EXPORT
162-164 Front Street Established 1896 New York City

BOUQUET L No. 7
is especially recommended for Lethane base insecticidal sprays where complete coverage is assured.

PERFUME COMPOUNDS
for every purpose. Manufacturing and perfuming problems expertly solved, without obligation. Correspondence invited.

H. C. RYLAND, INC.
Essential Oils—Aromatic Chemicals
161-163 Water St., New York, N.Y.

Buyers Prefer "O-P-D"
Market Information because it is Definite and Accurate

Aromatic Chemicals

Acetophenone. — Perfumers' grade prices firm. Demand routine.

Amyl Phenylacetate.—Pickup in small lot business maintained. Prices well held.

Amyl Salicylate.—Irregular call. No price unsettlement. Slightly more competition. Stocks fair.

Anethol.—Jobbing business picks up. Prices substantially steady. Undertone of firmness noted.

Benzaldehyde.—Fair volume of sales reported. Prices steady to firm. Reserves ample.

Benzophenone.—Hand-to-mouth trade the rule. Prices quiet but steady.

Benzyl Acetate.—Spot call gains moderately. Underlying strength of prices substantial. Conditions fairly stable.

Benzyl Alcohol. — Conditions remain firm. Sales conventional and usually cover prompt requirements. Prices steady.

Benzyl Benzoate. — Sellers indicate firm market conditions. Outlook for trade pleasing. Steady prices the rule.

Benzyl Formate. — Movement about normal. Market undertones steady to firm.

Benzyl Salicylate.—Larger demand expected if production of sunburn preventives has seasonal rise.

Benzylidine Acetone. — Movement to makers of soap perfumes important influence on firm maintenance of prices.

Bromstyrol.—All qualities firm. Movement of all satisfactory. Prices maintained.

Carvol.—Trade light and irregular. Prices hold.

Cinnamic Alcohol.—Little change in steady market. Quotations mainly lacking in change.

Cinnamic Aldehyde.—Position of cassia oil said to have raised consumption of this synthetic. Prices steady.

Citral.—Small lots moving steadily. Sales about normal. Values quiet but well maintained.

Citronellal.—Reserves believed ample. Current call moderate. Quotations steady.

Citronellol.—More inquiry and some gain in sales after quiet period. Prices unchanged.

Citronellyl Acetate. — Fundamentally firm in all respects. Outlook fair for first quarter consumption.

Citronellyl Butyrate.—Use as modifier of sharper odor of citronellol accounts for better business.

Coumarin. — Good business holding well. Prices well stabilized, apparently. Reserves believed sufficient.

Cyclamen Aldehyde.—Perfumers fair takers for prompt needs. Quotations steady.

Ethyl Cinnamate.—Trade routine but steady. Prices show stabilization and freedom from unusual competition.

Ethyl Phenylacetate. — Recession in prompt delivery request. Prices unaffected.

Ethyl Vanillin.—Sales still curtailed by inventory operations. Future believed encouraging. Prices firm.

Eucalyptol.—Strong position of raw material reflected. Prices well maintained, free from unsettlement. Outlook for demand satisfactory.

Hydroxy Citronellal.—Business steady with tendency toward seasonal gain. Prices firm. Competition moderate.

Linalool.—Trade working out of routine channel. Outlook encouraging. Prices steady.

Linalyl Acetate.—Steady absorption of production noted. Market undertones firm. Prices hold.

Menthol.—Prices strong at recent advance. Near to Japanese market parity. Demand still conservative here.

Bids Wanted

Aluminum:—4,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 966, opening January 9.

Coaltar Naphtha:—20,000 gallons for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 352, opening January 16.

Cutting Oil:—1,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 881, opening January 15.

Grease:—2,000 pounds; Commanding Officer, Raritan Arsenal, N. J.; procurement 94, opening January 11.

Kerosene:—5,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 982, opening January 15.

Lead, White:—2,000 pounds; Purchasing and Contracting Officer, Raritan Arsenal, N. J.; invitation 93, opening January 10.

Mercury Chloride:—1,600 pounds; Commanding Officer, Picatinny Arsenal, N. J.; invitation 973, opening January 26.

Muriatic Acid:—40,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; invitation 964, opening January 11.

Paraffin Oil:—33 barrels; Commanding Officer, Watertown Arsenal, Mass.; invitation 317, opening January 8.

Soap, Laundry:—60,000 pounds; Purchasing Agent, Post Office Department, Washington; invitation 1855, opening January 8.

Obituaries

—Continued from page 42

Dr. Joseph F. X. Harold

Dr. Joseph F. X. Harold, long prominent as a consulting chemist on textile and dyeing problems, died in a hospital in this city January 3. He was sixty-five years of age.

Born in Philadelphia, Dr. Harold was educated at La Salle College and the University of Pennsylvania, obtaining his Ph.D. degree from the latter institution in 1897. He was a member of the faculty of Villanova College, Villanova, Pa., 1896-97, and of the Philadelphia Textile School from 1899 to 1906. In 1911 he became associated with Dr. William Grosevnor and the Grosevnor Laboratories, this city, with which organization he had been associated at the time of his death. He was the author of a number of works on technical subjects and held patents on various chemical processes, dealing with the textile industry.

Surviving are his second wife, five sons and four daughters.

Alton M. Loomis

Alton M. Loomis, for many years Washington representative for agricultural associations, died January 3 in a Washington sanitarium after an illness of several months.

Born and reared on a farm in Western New York State, Mr. Loomis entered agricultural journalistic work at an early age. In 1917 he became assistant to the secretary of the New York State Food Administration. He left this position to become assistant Washington representative of the National Grange. Later he became secretary of the American Dairy Federation.

He was Washington representative of the Domestic Fats and Oils Conference and also of the association of American Producers of Domestic Inedible Fats. For many years he had been secretary of the National Dairy Union, but last Fall he resigned, effective January 1, 1940, and was given the title of Honorary Secretary.

Dr. G. C. Matson

Dr. George C. Matson, consulting geologist and independent oil operator, died in Tulsa, Okla., January 3. He was seventy-six years of age.

Dr. Matson graduated from Doane College, Crete, Neb., in 1900, and obtained his M.A. degree from Cornell University in 1903 and his Ph.D. degree from the University of Chicago in 1920. In 1906 he became a geologist for the United States Geological Survey, serving in that capacity for ten years. In 1921 he became president of the Association of Petroleum Geologists.

William T. S. Doyle, general manager of Royal Dutch Shell Oil properties in Venezuela for twenty years, died January 1 in Caracas. He was sixty-three years of age.

A. A. Perkins, inventor of the first successful method of cementing oil wells, died in Los Angeles January 2. He was 88.

Sterling A Withers, president of the Planters' Oil Mill, Tunica, Tenn., died in Memphis December 31. He was sixty-two years of age. He was a native of Hernando, Miss., and is survived by two sisters and three nephews.

Liquid Caustic Soda Made Subject to Partial Unloading

The New York Public Service Commission has approved amendment to the freight tariff of the Erie railroad in relation to rules for stop-off in transit. The amendment provides that liquid caustic soda, in drums, may be stopped for partial unloading only. Effective January 20.

"It's a grand and glorious feeling!" to be able to sit back and relax, knowing absolutely that the petrolatum or white oils you use for your base will not become rancid or odorous—nor develop an undesirable color.

The reason for the permanent purity of Penn-Drake products is quite simple. We just remove the trouble-makers. We don't try to cover them up or neutralize them. The exclusive Penn-Drake Karnsite process, which goes far beyond ordinary refining methods, removes every harmful impurity that the most stringent tests can discover.

With over sixty years' refining experience in the richest oil fields in the country, we can serve you efficiently and economically, with the highest quality white oils and petrolatum you can buy. Our research chemists have perfected an exclusive refining process that gives Penn-Drake products supreme quality. You can depend on their greater stability and resistance to oxidation to keep *your* product safe from unpleasant taste and odor.

Let us send information on how to reduce your manufacturing costs and cut losses from deterioration. At the same time, we will be glad to quote you our best prices. In writing, be sure to give your specifications and requirements, so that we can give you our figures promptly.

PENNSYLVANIA REFINING CO.

General Offices: BUTLER, PA.

REFINERIES AT
Titusville, Pa. and Karns City, Pa.

WAREHOUSE STOCKS MAINTAINED IN:
New York, Chicago, Detroit, Los Angeles, St. Louis, Atlanta, Boston, Scranton and Cleveland

penn drake petroleum products

PENN-DRAKE PRODUCTS
U. S. P. White Oils and Technical Oils... Petrolatums... INSECTI-SOL ...Waxes... Naphthas ... Rubber Solvents Motor oils and greases ... High flash lubricants... Industrial lubricants and greases

Petroleum Solvents Lubricants, Fuels

Pennsylvania Crude Again Advanced—White Mineral Oils More Available — Butane in Heavy Demand — Gulf Coast Gasoline Reduced—Crude Scale Wax Nominal

The new year started actively for producers of Pennsylvania crude oil with major companies sharply boosting posted prices for all except Corning grade. The advance strengthened Mid-continent markets although no increases were made there.

White mineral oils were offered more freely during the week, following months of extreme scarcity. Petrolatum continued limited and prices were very strong. Naphthas were not active but the demand for rubber solvent was at a better level. Producers of butane reported a very heavy call with consumers anxious to secure long-term contracts. Propane was also in good demand. Crude scale wax was purely nominal. Gasoline was weak but heating oils moved readily.

Solvents and Diluents

Cleaners' Naphtha. — There was a small pick-up in spot call and inquiries were heavier. The price was firm.

High-Solvency Naphtha.—No new features were reported in the market, the short business week tending to hold down sales. Prices were firm.

Petroleum Thinners. — Paint makers continued to show apathy to offers of these ingredients, but the price held steadily.

Rubber Solvent.—Demand from rubber tire makers was at a better level during the period under review and indications were that the activity will continue this week. The price was firm.

Stoddard Solvent.—The cleaning trade was showing a bit more interest, but most of the demand was for future delivery rather than spot.

V. M. & P. Naphtha.—Inquiries were a bit better but paint manufacturers continued to show only fair interest in offerings. Price was firm.

Markets at Other Centers

Chicago, Jan. 4.—Continued strong tone in petroleum solvents and diluents is keeping this section of petroleum markets healthy. Buying is not particularly heavy, but there is sufficient business paced by a considerable number of buyers to balance supplies quite well. Inquiries are good also. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4½c. to 4¾c. per pound; cleaners' naphtha, 6⅞c. to 7c., tankcar; 18c., tank wagon; petroleum spirits, 5⅞c. to 6c., tankcar; 16.7c., tank wagon; lacquer diluent, 7⅞c. to 8c.; rubber solent, 6⅞c. to 7c.; Stoddard solvent, 6⅜c. to 6½c.; tankcar; 16.4c., tank wagon; v.m. & p. naphtha, 6⅞c. to 7c., tankcar; 17c., tank wagon.

New Orleans, Jan. 4.—Demand was light although there was a pick-up in inquiries. Prices were:—
Cleaning Solvent.—Boiling range, 225-350, gravity 53, quoted at 6¾c. delivered New Orleans in tankcars.
V.M.P. Naphtha.—Boiling range, 175-425, gravity 48, quoted at 6½c. delivered New Orleans in tankcars.

Tulsa, Jan. 4.—Although there is limited interest in the markets for the various products, quotations are holding well and were unchanged during the week. Weakness in the gasoline markets have not effected this department.

Lighter Fractions

Butane.—Demand was very heavy and price was firm.

Price Changes

Advanced

None

Reduced

Gasoline, Gulf Coast, ⅛c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Heptane.—Consumers were showing only fair interest in the market and shipments were light. The price was steady.

Pentanes.—Demand off but firm price prevailed.

Propane.—The price continued very firm with consuming interest at a good level.

Petrolatums and Waxes

White Mineral Oils.—Most grades were offered more freely last week following several previous weeks of scarcity. No price changes were made, the quoted figures holding firmly.

Petrolatum.—The increased production of white mineral oils was not reflected in the market for this material which continued to be very scarce. Prices were firm to strong.

Paraffin.—One car of crude scale was reported sold at 6½c. to 6¾c. per pound last week but opinion in the trade indicated that the price was still around 7c. Consumers continued to encounter difficulty in obtaining stocks. Refined grades were also scarce and firm.

Markets at Other Centers

Chicago, Jan. 4.—The demand for refined petroleum wax continues good here. Buyers still are anxious to get all the material they can obtain. Prices seem to be having no difficulty in holding their own. The supply is tight and offerings are restricted. Ruling prices are:—122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa, Jan. 4.—Quotations are strictly nominal as supply is lacking and refiners are well sold up for several months. The 124-126 grade is 6¾c. to 7c. per pound.

Fuels and Lubricants

Gasoline.—The market in the East remained quiet and was without any change.

Kerosene.—Prices were firmly established and demand was at a good level.

Fuel and Gas Oils.—The local market for heating oil was reported a shade stronger last week with a good call for stocks noted. Grade C Bunker fuel oil was well maintained at $1.50 per barrel but one seller continued to post $1.15 at New York harbor.

Lubricating Oils.—Pennsylvania lubricants continued very scarce and in heavy demand from both domestic and foreign sources. Prices were strong.

Crude Oil Price Changes

Joseph Seep Purchasing Agency of the South Penn Oil Co. advanced Pennsylvania crude prices 25c. per barrel to $2.75 for oil in Bradford-Allegheny district and for oil in New York Transit lines; to $2.40 for oil in Southwest Pennsylvania pipe lines and to $2.34 for oil in Eureka lines. The Pennzoil Company made a similar advance to a range of from $2.63 to $2.68 for Lower district Pennsylvania crude. Corning grade was unchanged.

Markets at Other Centers

Chicago, Jan. 4.—Gasoline is showing further weakness and heating oils are firming in response to increased demand. Kerosene is dull. The heavy fuels are enjoying a brisk demand and strong prices. Lubricating oil business is active, with prices still strong.

Gasoline.—Low octane motor, 4c. to 4¼o. per gallon; 63-66 octane motor, 4¼c. to 4½c.; 67-69 octane motor, 4½c. to 4¾c.; 70-72 octane motor, regular, 4¾c. to 5c.; 60-62, 400, 4c. to 4¼c.; 64-66, 375, 4¼c. to 4½c.; 68-70, 360, 4¾c. to 5c.

Kerosene.—42-44, water white, 3⅝c. to 3¾c. per gallon; 41-43, water white, 3½c. to 3⅝c.

Furnace Oils.—Range oil, 3½c. to 3¾c. per gallon; No. 1 prime white, 3½c. to 3⅝c.; No. 1 straw, 3⅜c. to 3½c.; No. 2 straw, 3¼c. to 3⅜c.; No. 2 dark, 3⅛c. to 3¼c.; No. 3, 3⅛c. to 3¼c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.
Fuel Oils.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Jan. 4.—The domestic market experienced a ½c. price drop on all grades of gasoline during the

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940	1939
	Jan. 1-Jan. 6	Jan. 1-Jan. 6
Commercial crude oil production	21,210,024	19,910,766
	Week ended Jan. 6, 1940	Week ended Jan. 7, 1939
Daily average production	3,535,004	3,318,461
	Week ended Dec. 30, 1939	Week ended Dec. 23, 1939
Estimated motor fuel stocks	80,985,000	78,707,000
Estimated finished motor fuel stocks	75,597,000	73,485,000

Outputs and Quotas

A comparison of Bureau of Mines calculations for December productions. State allowable quotas where they exist and the American Petroleum Institute's estimate for crude production for the week ended December 30 follows:—

	*B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma	437,600	437,600	†418,200
Kansas	168,000	170,600	†178,600
Nebraska	....	....	†.....
Texas	1,438,100	‡1,402,672	1,305,900
Louisiana	255,200	255,200	267,050
Arkansas	56,100	69,442	70,650
Mississippi	....	....	†1,700
Illinois	315,200	....	337,850
Eastern (not incl. Ill.)	104,600	....	103,600
Michigan	61,000	....	67,300
Wyoming	60,000	....	62,750
Montana	15,200	....	17,050
Colorado	4,200	....	4,200
N. Mexico	110,000	110,000	109,050
California	594,500	§599,000	601,100
Totals	3,619,700	....	3,545,000

* These are Bureau of Mines' calculations of the requirements of domestic crude oil based upon certain premises outlined in its detailed forecast for the month of December. As requirements may be supplied either from stocks, or from new productions contemplated withdrawals from crude oil inventories must be deducted from the Bureau's estimated requirements to determine the amount of new crude to be produced.

† Okla., Kans., Miss., Neb. figures are for week ended 7 a.m. December 27.

‡ This is the net basic allowable as of December 1, and reflects ordered shutdowns for 12 days, namely, December 1, 2, 3, 9, 10, 16, 17, 23, 24, 25, 30 and 31. Experience indicates that due to allowables granted above net scheduled exemptions and also because of new wells completed, the basic net allowable as of the first of the month is always subject to upward revision.

§ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Pennsylvania crude oil was advanced 25c. per barrel. Gulf Coast gasoline was reduced ⅛c. per gallon.

	Jan. 5	Dec. 29	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.2095	$1.1845	$1.11
Gasoline prices at refineries (at four refining centers) per gallon	.0513895	.051702	.0478125

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Banish Bad Odors
IN THE WINK OF AN EYE!
with
NEUTROLEUM
If your technical product is handicapped with an objectionable odor, the chances are NEUTROLEUM can correct it. The cost is negligible and it will add a new element of sales appeal to your product. NEUTROLEUM is one of the most effective and widely applied deodorants in use today. Hundreds of varied and successful applications attest its limitless utility. Write us for full details.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

NICKEL CATALYST
Also NICKEL CARBONATE - NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N. Y.

SHERWOOD'S
GUARANTEED QUALITY
WHITE OILS
ALL GRADES
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY · WARREN, PA. MAIN OFFICE · ENGLEWOOD, N. J.

past week. U.S. Motor gasoline was quoted at 5½c; 63-67 octane at 5⅞c. and 70-72 octane at 6⅜c.—all prices being based on a per gallon rate at refinery.

The price of kerosene remained unchanged at 7¼c. per gallon at refinery.

Bunker C fuel oil was quoted at 90c. per barrel at terminal and 95c. per barrel delivered alongside, while industrial plants in this vicinity continued to be quoted on this grade at $1.36 per barrel, delivered alongside.

Tulsa, Jan. 4.—A heavy demand for lubricating oil dominated the interest in the Midcontinent this week. Gasoline remained in a weak market position but lubricants and wax were stronger. Quotations are as follows:—

Gasoline.—Third grade is 3¼c. to 4c. per gallon with the 63-66, 3½c. to 4½c. and 67-69, 3⅝c. to 4⅝c. The 70-72 grade is 4c. to 4¾c. a gallon.

Kerosene.—Stronger quotations prevail with the 41-43 grade 3⅝c. to 4¼c. per gallon and 42-44, 3¾c. to 4¼c.

Natural Gasoline.—Quotations are easy with 26-70 at 2¾c. to 3c. per gallon and 18-55 grade at 3½c. to 3¾c.

Fuel Oils.—Residuals are stronger although no change in quotations have been made. Prices are 50c. to 70c. per barrel while the 18-22 grade is 65c. to 80c. in the mid-continent and 77½c. to 85c. in Central Western markets. The 22-28 grade is 80c. to 95c. per barrel and the low cold test is $1.00 to $1.10.

Lubricants. — All grades of bright stocks and neutral oils are in strong demand. Quotations are unchanged at 23c. to 27c. per gallon for the bright stocks.

Crude Oil Daily Output Down

Daily average crude oil production in the United States during the week ended December 30 was 3,545,000 barrels, a drop of 322,900 from the 3,867,900 of the previous week, according to the American Petroleum Institute. A drop of 282,200 barrels in the daily average output of Texas was the most important change. Stocks of finished and unfinished gasoline at the close of the week were 80,985,000 barrels, an increase of 2,278,000 over the 78,707,000 reported a week earlier. On Dec. 30, 1939, these stocks amounted to 71,542,000 barrels. Stocks of finished gasoline increased 2,112,000 barrels to 75,597,000, compared with 65,829,000 on December 30, 1938.

N.Y. Production Club To Meet January 11

The January meeting of the New York Paint and Varnish Production Club will be held January 11 in the Building Trades Employers' Association, 2 Park avenue, this city. Dinner will be served at 6:15 p.m. Harold Johnson, of the Nuodex Company, Elizabeth, N. J., will present a paper on "Nuade" and L. J. Venuto, of the Binney & Smith Company, this city, will show movies of the June, 1939, outing of the club. Dinner tickets will be $1.50 for members and $2 for guests.

Sun Oil Plant Improvement In 1940 to Cost $14,000,000

The Sun Oil Company, Philadelphia, plans to spend approximately $14,000,000 for plant expansion and improvement during 1940, according to J. Howard Pew, president. The program, includes:—Construction of a new refining unit at Marcus Hook, Pa., $4,300,000; other additions to the company's facilities there, $2,500,000; expansion of the facilities of the general marketing division, $2,500,000; construction of a new tank ship, $2,500,000; oil country developments, $2,500,000.

W.A. Jones Named President Of Cities Service Company

W. Alton Jones has been elected president of the Cities Service Company, succeeding Henry L. Doherty who died December 26. Mr. Jones was born in Webb city, Mo., in 1891. He graduated from Vanderbilt University in 1912, the year in which he began his business career with the Cities Service organization as a cashier of the Webb City and Carterville Gas Company in Cartersville, Mo. After a series of promotions, Mr. Jones was transferred to New York in 1921, and a year later was elected to the directorate of the Cities Service Company. In 1925 he became chairman of the executive committee of the Henry L. Doherty & Co., and in 1927 he was named first vice-president of the Cities Service Company, which position he held until his election as president.

Tankcar Lease Rates Come Under I.C.C.

—Continued from page 4

railroads the allowance of 1½ cents a mile given by the railroads for the use of privately owned cars, and is to credit this allowance to the El Dorado company. Testimony showed that in every month the mileage allowance exceeded the stipulated rent on the cars, leaving a balance which the tankcar corporation was to pay to the oil works. These sums were paid regularly until July 2, 1934, when the Interstate Commerce Commission rendered a decision on the use of privately owned refrigerator cars in which it held that payments by railroads to shippers for the use of privately owned cars in excess of the actual expenses of the shippers gave the user of private cars an advantage over other shippers and constituted a rebate in violation of the Elkins act.

The El Dorado company sued the tankcar corporation to recover the excess of mileage allowances over stipulated rents. The district court held that such payment would violate the Elkins act, and that payments should not be made. The United States Circuit Court of Appeals permitted a recovery on the ground that the Interstate Commerce act authorizes payment of mileage allowances by railroads for the use of private cars furnished by shippers for the transportation of their own commodities. The Interstate Commerce Commission intervened in argument of the case before the supreme court and contended that the courts have no jurisdiction in this case.

The decision of the supreme court, written by Justice Roberts, is somewhat involved and discusses several aspects of the use of private and leased cars. It holds that, under the published tariffs of the railroad, the mileage allowance could be paid only to the owner of the cars and not to the lessee, but that in this case the El Dorado Oil Works furnished the cars to the railroads, and the General American Tank Car Corporation was acting merely as its collecting agent. The decision held that the Federal courts do have jurisdiction over cases of this character but that they can pass only on claims of private parties and do not have power to pass on the reasonableness and legality of the practices, and that when it appeared that the case involved an administrative problem within the jurisdiction of the Interstate Commerce Commission the trial court should have suspended the case until the commission had acted.

J.L. Powers Heads N.F. Revision

—Continued from page 5

to the infantry department, Central Officers Training School, at Camp Pike, Arkansas, from which he was discharged at his own request November 27, 1918.

Dr. Powers resumed his studies and received the Ph.C. degree from the University of Michigan in 1919. Later he received B.S. and M.S. degrees at Michigan and his Ph. D. from the University of Wisconsin in 1935. Over the past twenty-years he has been a member of the teaching staffs at Washington State, Oregon State, and Michigan schools of pharmacy most recently as assistant professor of pharmacy at Michigan. He is a registered pharmacist in Michigan and Washington, is a member of the American Pharmaceutical Association and the American Chemical Society and of Phi Delta Chi, Rho Chi, Phi Lambda Upsilon; Sigma Xi, Phi Sigma and Delta Tau Delta fraternities. He is the author of a number of contributions to pharmacal literature and has served on various association committees.

T. H. Barton, president of Lion Oil Refining Company and vice-president of the Independent Petroleum Association, has been named Democratic national committeeman for Arkansas by the State committee.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-tenth Instalment

Olefins

(Continued from January 1 issue)

Reagents for Forming Addition Products with Olefins

Halogens
Halogen acids
Hydrogen
Hypochlorous acid
Potassium permanganate
Sulphuric acid

Reagent for Separating Saturated and Unsaturated Olefins

Sulphuric acid (forms alkyl hydrogen sulphate)

Solvents for Olefins

Acetaldehyde
Acetone
Alcohol
Ether
Gas naphtha
Mercuric salt solutions
Mercurous salt solutions
Organic liquids
Petroleum
Sulphuric acid
Turpentine

Oleic Acid

Catalysts for Hydrogenation of Oleic Acid

Chromium
Chromium carbide
Chromium oxide
Chromium silicide
Cobalt
Cobalt,colloidal
Cobalt carbide
Cobalt oxide
Cobalt silicide
Copper
Copper, colloidal
Copper carbide
Copper oxide
Copper silicide
Iron
Iron, colloidal
Iron carbide
Iron carbonyl
Iron oxide
Iron silicide
Manganese
Manganese carbide
Managanese oxide
Manganese silicide
Molybdenum
Molybdenum carbide
Molybdenum oxide
Molybdenum silicide
Nickel
Nickel, colloidal
Nickel carbonyl
Nickel carbide
Nickel oxide
Nickel silicide
Palladium
Palladium colloidal
Palladium carbide
Palaldium carbonyl
Palladium oxide
Palladium silicide
Platinum
Platinum, colloidal
Platinum carbide
Platinum oxide
Platinum silicide
Potassium chloroplatinate
Selenium
Silica
Silver
Silver, colloidal
Tellurium
Thorium
Titanium
Titanium carbide
Titanium silicide
Tungsten
Vanadium
Vanadium carbide
Vanadium oxide
Vanadium silicide
Zinc-methyl
Zirconium

Catalyst Carriers for Treating Oleic Acid

Asbestos
Carbon
Charcoal
Coke
Fuller's earth
Kieselguhr
Pumice

Impurities to Be Looked for in Oleic Acid

Linoleic acid
Other fatty acids
Palmitic acid
Stearic acid
Soap

Solvents for Oleic Acid

Alcohols
Benzene
Benzin
Butylamine, normal, di-normal, or trinormal
Caustic alkali in dilute alcoholic or aqueous solution
Chloroform
Diethylamine
Ether
Ethyl alcohol
Fixed oils
Isopentylamine
Phenylmethylamine
Triethylamine
Volatile oils

Olein

Catalysts Used in Hydrogenation of Olein

Chromium
Chromium carbide
Chromium oxide
Chromium silicide
Cobalt
Cobalt carbide
Cobalt oxide
Cobalt silicide
Copper
Copper carbide
Copper oxide
Copper silicide
Iron
Iron carbide
Iron oxide
Iron silicide
Manganese
Manganese carbide
Manganese oxide
Manganese silicide
Molybdenum
Molybdenum carbide
Molybdenum oxide
Molybdenum silicide
Nickel
Nickel carbide
Nickel oxide
Nickel silicide
Nickel oleate
Palladium
Palladium, colloidal
Palladium carbide
Palladium oxide
Palladium silicide
Potassium chloroplatinate
Selenium
Selenium carbide
Selenium oxide
Selenium silicide
Silver
Silver, colloidal
Tellurium
Tellurium carbide
Tellurium oxide
Tellurium silicide
Thorium
Thorium carbide
Thorium oxide
Thorium silicide
Titanium
Tintanium carbide
Titanium oxide
Titanium silicide
Tungsten
Vanadium
Vanadium carbide
Vanadium oxide
Vanadium silicide
Zirconium
Zirconium carbide
Zirconium oxide
Zirconium silicide

Catalyst Carriers Used in Treating Olein

Carbon
Charcoal
Coke
Kieselguhr
Silica
Pumice

Solvents for Olein

Acetic acid, glacial
Acetone
Acetylene tetrachloride
Alcohol, absolute
Amyl alcohol
Benzene
Carbon tetrachloride
Chloroform
1:2-Dichloropropane
Ether
Ethyl alcohol
Ethyl acetate
Isopropyl alcohol
Trichloroethylene

Oleomargarin

Antioxidants Used in Oleomargarin

Dimethylglycol
Hydroxymethylanethol
Maleic acid
Mesodiethylacridin
Mesodibutylacridin
Mesodimethylnaphthylacridin
Mesodiphenylacridin
Mesodipropylacridin
Mesomethylbutylacridane
Mesomethylbutylacridin
Mesomethylphenylacridin
Polyhydric alcohols
Propenylguaethol
Trimethyleneglycol

Artificial Favors for Oleomargarin

Butterarome
Butterarome 5 (oil-soluble)
Buttersynth B, C

Carriers for Metal Catalysts in the Hydrogenation of Oleomargarin Fats and Oils

Animal black
Bauxite
Boneblack
Carbon
Charcoal
Clay
Clay, burnt
Fireclay
Glass
Kieselguhr
Lampblack
Metal cylinders
Paper cylinders
Petroleum coke
Pumice

Catalysts for Hydrogenation in Manufacture of Oleomargarin

Nickel
Nickel, colloidal
Nickel-zinc
Nickel-aluminum
Reduced nickel formate

(To be continued)

Fertilizer Materials

Increased Activity Reported in the Midwest — Quiet Continues to Prevail in Other Sections—Imported Blood Advanced—Domestic Material Lower

The market for raw fertilizer materials showed signs of beginning to come to life last week, with the recovery starting in the Midwest. There was an improved tone noticed in that section and prices firmed. Inactivity continued to be the keynote in other sections of the country, however, with mixers showing little interest in offerings. The sole price advance was for imported blood and that failed to counteract reductions in domestic blood, imported nitrogenous and imported tankage. All revisions made in quoted prices were small and the market as a whole seemed to be a bit firmer.

Nitrogenates

Calcium Nitrate.—Imported material nominal at $28.50 per ton for shipment from abroad.

Castor Pomace.—Domestic product unchanged at $17.50 per ton for car lots. Demand light.

Dried Blood.—Sales were made in New York at $3.45 per unit, which was a 5c. reduction. The imported product, however, was advanced 5c. per unit to $3.50.

Fish Scrap.—No new features were reported, with Chesapeake menhaden nominal at $4.25 per unit. Japanese sardine meal was steady at $52 per ton.

Manganese Sulphate.—The 65 percent material was steady at $48.75 per tone for car lots.

Nitrate of Soda.—Price unchanged and demand light.

Nitrogen Solution.—Demand and price unchanged from the previous week.

Nitrogenous Material. — Midwestern material was quoted at $2.15 per unit and the East Coast product was easier at $2.90. The imported was reduced 10c. per unit to $2.75.

Sulphate of Ammonia.—The price was firm at $28 per ton for shipment during January-June.

Tankage.—Unground feeding material was sold in New York at $3.65 and 10c. per unit which was 10c. lower than the quoted price. Many sellers, however, held firmly to the quotations of $3.75 per unit. Imported material was lowered 5c. per unit to $3.75 and 10c.

Potashes

Cottonseed Hull Ash.—Firm at $1.10 per unit with demand light.

Kainit.—A bit more inquiry was reported but shipments continued sluggish. The price was firm.

Manure Salts.—Spot market was quiet although a few contract deliveries were reported. The price was firm.

Muriate.—There was a slight pick-up in inquiry and the price was steady.

Sulphate.—The market was purely nominal due to the low stocks available to the trade.

Phosphates

Bone Materials.—All types continued scarce although there was only a slight interest in material at this time. Prices were firm at the quoted levels.

Prosphate Rock.—Both Florida and Tennessee grades were moving slowly last week but prices were firm.

Superphosphate.—Quiet with price firm. Production in November totaled 371,818 tons, compared with 298,049 in November, 1938, according to the National Fertilizer Association. Shipments were 166,230 tons, against 133,803, while stocks at the end of the month totaled 1,508,231, against 1,595,469.

Sulphur and Pyrites

Agricultural sulphur was moving slowly last week, although there was a bit more interest in future deliveries. The price was firm. Spanish pyrites market was nominal and the Canadian grade was drawing little interest.

Price Changes

Advanced

Blood, dried, imp., 3c. per unit, c.i.f. ports.
Fish scrap, meal, $2.50 per ton, f.o.b. San Francisco.

Reduced

Blood, dried, dom., 5c. per unit, f.o.b. N.Y.
meal, 20c. per unit, f.o.b. Los Angeles.
Nitrogenous material, imp., 10c. per unit, c.i.f. ports.
Tankage, imp., 5c. per unit, c.i.f. ports.
dom., unground, 35c. per unit, f.o.b. California.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta, Jan. 3.—The market for fertilizer materials has not recovered from holiday inactivity. Trading is almost negligible in the Southeast. Quotations of this market are as follows:—
Superphosphate.—52c. per unit, interior producing points.
Sulphate of Ammonia.—Scarce, $28 per ton, port basis.
Cottonseed Meal.—$31.50 to $32 per ton for 8 percent grade.
Nitrogenous.—$2.15 per unit, midwestern producing points; foreign $2.75, port basis.
Blood.—Foreign, $3.50 per unit, port basis; domestic, $3.50, shipping points.

Baltimore, Jan. 3.—The past week, falling within the end of the holiday period, was characterized by virtual stagnation in the matter of trading in the market for crude fertilizer materials. Quotations are about as follows:—
Fish Scrap.—Quotations are still at $4.25 and 10c. per unit-ton down the bay. Menhaden meal is held at $58 per ton, f.o.b. Baltimore.
Tankage.—The market for this ammoniate was quiet, with buying interest slack, and with last sales of 11 to 12 material at $3.75 and 10c.
Dried Blood.—Some little action developed the last half of the week with the first sales for some time at $3.45 per unit-ton, c.i.f., basis Baltimore. South American material was sold at $3.50 per unit-ton.
Superphosphate. — While the nominal quotations continued to stand at $8.50 per ton for run-of-pile, and $9 for 16 percent milled and screened stocks, the figures on new business not covered by contract were on a substantially higher basis.

Chicago, Jan. 3.—There has been a generally improved tone in various sections of the fertilizer materials market here recently. Prices for representative products are mostly steady to a shade improved. Buyers are beginning to show signs of deserting an extremely conservative ordering policy which was developed for inventory-time purposes. Blood is now in fair call on a steady price basis. Inquiry seems a little better for tankage, and bone materials are in fair call.
Blood.—Principal grade, $3.90 per unit of ammonia.
Tankage.—High grade, feeding, $4 to $4.05; hoof meal, $3 to $3.05; liquid stick, $2.75 to $3.
Bone Materials.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $32 to $33; 4½ and 50 percent, $33 to $35; grinding hoofs, pigs' toes and waste horn materials, $40 to $45; pork cracklings, soft pressed, $52.50 to $57.50; beef cracklings, soft pressed, $52.50 to $57.50; hard pressed cracklings, per unit of protein, 82½c. to 87½c.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

N.W.D.A. Suggests Drug Label Forms

—Continued from page 4

ministration in Washington, so that we believe the texts of these labels are satisfactory at the present time.

We are reproducing the text for this first lot of labels, and additional suggestions will be submitted shortly.

Where the skull and cross-bones appear either the entire label should be printed in red on a white background or at least the words, "caution" and "poison", and the skull and cross-bones should be in red ink.

Each label, of course, should bear the quantity of contents of the package. Ordinarily contents should be expressed in terms of fluid ounces, pints, quarts, or gallons, or in ounces or pounds, if avoirdupois. The metric system may be employed if customary or desired. The label should also bear the statement, "Packed and distributed by," or "Packed for and distributed by", or "Manufactured and distributed by", as the case may be, followed by the name and address of the wholesaler.

There can be no assurance, of course, that these forms of labels which we believe are satisfactory at the present time may not be subject to change in the future. The present food, drug, and cosmetic act provides for requirements on labeling which may be more or less constantly changing. The suggestions which these drafts of labels present represent the best information that we have been able to obtain to date.

We urge all wholesalers who are distributing products for which these labels are suitable to use the text submitted herewith.

The reviewing of these labels was a long and tedious task, and this constructive undertaking could not have been accomplished except for the fine spirit of cooperation on the part of Mr. George P. Larrick, chief inspector, Food and Drug Administration, Washington, D. C., and Mr. Murray, of their staff. We desire to acknowledge, to our members, our sincere appreciation of their fine constructive efforts, which to us is a demonstration of the kind of cooperation our industry may receive if they will take some of their problems direct to the Food and Drug Administration in Washington, in a spirit of cooperation.

So. States Cooperative Reports Large Savings

Baltimore, December 29, 1939

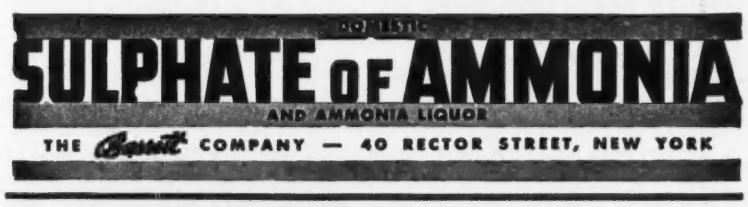
The two-day meeting of the district managers' conference of the Southern States Cooperative closed today. The principal cause for the meeting was to devise means for further aiding the 80,000 Southeastern farmers who make up the Cooperative in obtaining the best results from their farms.

At the luncheon, W. G. Wysor, general manager of the Cooperative, told guests that from July to November, 1939, the nine mills of the organization distributed farm materials to members at a net saving of $252,000, compared with $118,000 in the similar period of 1938. During the former period, according to Mr. Wysor, there was a gain of 14 percent in feed distributed; 19 percent in fertilizer distributed; 75 percent in farm supplies and 41 percent in the value of seeds.

Owens-Illinois Glass Company, Toledo, has purchased a fifty-two-acre factory site in Waco, Tex. The company now has twelve glass container plants in operation.

San Francisco, Jan. 3.—Pacific Coast fertilizer markets continue to drag along without much buying interest. Blood and tankage eased down somewhat. Fish meal is stronger, the light production last week accounting for more firmness. Ruling prices are:—
Superphosphate. — Domestic, 75c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, 85c. per unit.
Nitrate of Soda.—100-pound bags, $29 per ton, ex vessel or warehouse; 200-pound bags, $28.30 per ton, ex vessel or warehouse.
Ammonia Phosphate.—Eleven percent N and 48 percent P.A. material, $54 per ton, ports, and $1 per ton extra for delivery inland. Sixteen and 20 percent material, $43 per ton, ports and $44 per ton for delivery inland.
Fish Meal.—California sardine meal advanced $2.50 to $52.50 per ton, f.o.b. San Francisco Bay; $50 per ton, Monterey. The market is strong.
Tankage.—Unground, wet rendered, domestic, $3.40 and 10c. per unit-ton, f.o.b. northern California. Dry rendered, ground, $50 per ton, f.o.b. South San Francisco; unground, dry rendered, 80c. per unit of protein, f.o.b. South San Francisco.
Blood Meal.—Nominal. Quoted at $3.20 per unit, f.o.b. Los Angeles.

WE GRIND AND SELL
Sulphur
Commercial flour, dusting sulphur, wettable sulphur, rubbermakers' sulphur... All crude sulphur used is 99½% pure.
WRITE OR WIRE FOR QUOTATIONS...DOMESTIC OR FOREIGN
DOUGLASS SULPHUR CO.
P.O. BOX 231 HOUSTON, TEXAS



Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, NAPHTHENIC—150 dms, Product Trading Corp, Constanza
ALBUMEN, EGG, HEN—92 cs, Mitsubishi Shoji Kaisha, Kobe
100 cs, Bingham & Co, Tientsin
112 cs, F Kanemetsu & Co, Tientsin
ALCOHOL, CINNAMIC—1 dm, Aromatic Product Co, Marseilles
ALOE—75 cs, Capetown
25 cs, Selma Mercantile Corp, Curacao
ANISE—200 bgs, New York & Cuba Mail S S Co, Peyrouth
30 cs, S B Penick & Co, Kobe
ANNATTO SEED—10 bgs, D Steengrafe, Kingston
220 bgs, Pablo-Calvet Co, Guayaquil
ANTIMONY ORE—910 bgs, Mollendo
9,908 bgs, Grace National Bank, Antofagasta
ASBESTOS—400 bgs, Union Asbestos & Rubber Co, Capetown
3,486 bgs, Johns-Manville Corp, Capetown
808 bgs, Lourenco Marques
2,000 bgs, Johns-Manville Corp, Lourenco Marques
BLOOD, DRIED—1,450 bgs, Buenos Aires
BONE MEAL—2,675 bgs, Buenos Aires
BRISTLES—5 cs, Guaranty Trust Co, Bordeaux
26 cs, F H Cone & Co, Kobe
10 cs, Iwai & Co, Kobe
50 cs, F H Cone & Co, Tientsin
256 cs, H Rosenhirsch Co, Kobe
28 cs, Arnhold & Co, Dairen
30 cs, Melchers, Inc, Dairen
110 cs, S Hirshenhorn & Sons, Tientsin
55 cs, N Wagman & Co, Dairen
110 cs, F Kanematsu & Co, Shanghai
48 cs, National City Bank, Shanghai
25 cs, N Wagman & Co, Kobe
6 cs, F H Cone & Co, Kobe
22 cs, Robert Schwarz, Kobe
8 cs, H Rosenhirsch Co, Kobe
CADMIUM—25 cs, Robert Joseph, Antwerp
CALCIUM SILICIDE—89 bbls, E Offenbacher, Oslo
CAMPHOR, CRUDE—189 cs, Mitsui & Co, Keelung
REFINED—670 cs, McKesson & Robbins, Kobe
CANARY SEED—1,746 bgs, Bunge North American Grain Co, Buenos Aires
331 bgs, C Clausen & Co, Buenos Aires
600 bgs, A G Dunn, Casablanca
150 bgs, Levy & Levis Co, Casablanca
10 bgs, American Caribbean Line, Casablanca
CARAWAY SEED—200 bgs, D Hecht & Co, Rotterdam
55 bgs, Banque Canadienne Natl, Rotterdam
10 bgs, American Express Co, Rotterdam
75 bgs, Manufacturers Trust Co, Rotterdam
75 bgs, Levy & Levis Co, Rotterdam
25 bgs, Archibald & Kendall, Rotterdam
CASCARILLA BARK—5 bls, W M Allison & Co, Nassau
CASEIN—1,667 bgs, American British Chemical Supplies, Buenos Aires
856 bgs, American Cyanamid & Chem Co, Buenos Aires
67 bgs, Buenos Aires
803 bgs, Irving Trust Co, Buenos Aires
CASTOR BEANS—1,700 bgs, Baker Castor Oil Co, Bahia
4,227 bgs, Guaranty Trust Co, Bahia
4,700 bgs, L Dreyfus & Co, Recife
9,000 bgs, Baker Castor Oil Co, Recife
5,100 bgs, Recife
21,059 bgs, Baker Castor Oil Co, Santos
3,408 bgs, Spencer Kellogg & Sons, Rio Janeiro
2,533 bgs, Guaranty Trust Co, Bahia
1,680 bgs, Bahia
CELERY SEED—77 bgs, B H Old & Co, Marseilles
1,326 bgs, Bombay
CHEMICALS—9 cs, E Fougera & Co, Bordeaux
27 cs, Ratin Lab, Copenhagen
38 cs, Atlantic Freighting Corp, Malaga
50 dms, Europe
1,016 bgs, Advance Solvents & Chem Co, Rotterdam
CHROME ORE—3,484 tons, 5 cwts, 5 lbs, Lourenco Marques
CINCHONA BARK—28 bls, E Mosheim, Guayaquil
453 bls, New York Quinine & Chem Works, Rotterdam
PRODUCTS—163 cs, R W Greeff & Co, Rotterdam
COCA LEAVES—139 bls, Maywood Chem Works, Salaverry
COCHINEAL—50 bgs, W R Grace & Co, Callao
COCOA BEANS—2,000 bgs, Bank of London South America, Bahia
1,000 bgs, Wessel, Duval & Co, Bahia
1,000 bgs, Curacao Trading Co, Bahia
250 bgs, Bank of Manhattan, Guayaquil
250 bgs, Wessel, Wulenkampf & Co, Guayaquil
100 bgs, Meyer & Co, Porto Cabello
150 bgs, S F Fardo, La Guaira
1,197 bgs, Standard Bank of S A, Lagos
1,443 bgs, Busi & Stephenson, Lagos
4,097 bgs, G N Rawlinson & Co, Lagos
3,200 bgs, M Golodetz, Takoradi
250 bgs, Antonio & Co, Curacao
350 bgs, Banco de Venezuela, Curacao
7,000 bgs, W R Grace & Co, Bahia
3,000 bgs, Bahia
250 bgs, Porto Cabello
1 pkg, Meyer & Co, La Guaira
COCONUT—256 bgs, J A Manton, Kingston
4,814 bgs, General Food Corp, Kingston
966 bgs, I L Toledano Corp, Cristobal
COLORS—18 cks, 1 bbl, Wedemann & Godknecht, Genoa
CONCENTRATES—2,248 pockets, Lourenco Marques
CORIANDER SEED—50 bgs, American Caribbean Line, Marseilles
50 bgs, Hudson Tea & Spice Co, Casablanca
100 bgs, Knickerbocker Mills Co, Casablanca
450 bgs, American Caribbean Line, Casablanca
825 bgs, American Hawaiian S S Co, Casablanca
CORK—13 bls, Philadelphia Natl Bank, Genoa
VIRGIN—1,727 bls, Wicander & Co, Casablanca
1,361 bls, A Hurst & Co, Casablanca
1,365 bls, Armstrong Cork Co, Casablanca
COTTON LINTERS—46 bls, Padawer & Co, Buenos Aires
68 bls, Anderson Clayton Co, Cerro Azul
CUMIN SEED—225 bgs, New York & Cuba Mail S S Co, Beyrouth
70 bgs, I Harrison & Whitney, Marseilles
68 bgs, W E Martin, Marseilles
100 bgs, American Hawaiian S S Co, Casablanca
80 bgs, New York & Cuba Mail S S Co, Casablanca
172 bgs, Irving Trust Co, Genoa
DERRIS ROOT—33 bls, John Powell & Co, Singapore
44 pkgs, Nederlandsche Handel Mij, Samarang
DEXTRIN, POTATO—50 bgs, American Cyanamid & Chem Co, Rotterdam
DYES, ANILIN—24 dms, General Dyestuff Corp, Genoa
49 cks, 3 dms, 1 cs, Sandoz Chem Works, Genoa
82 dms, Central Hanover Bank Trust Co, Osaka
EGG YOLK, HEN—168 cs, K R Bandekow, Kobe
56 cs, T M Duche & Sons, Kobe
FAT, SOYBEAN—25 dms, Mitsibishi Shoji Kaisha, Dairen
FENNEL SEED—25 bgs, Max Karnreich, Buenos Aires
60 bgs, Public Natl Bank Trust Co, Trieste
FILTER, EARTH—1,000 bgs, Wedemann & Godknecht, Constanza
PAPER—144 bls, 5 cs, J Manheimer, Bordeaux
FISH MEAL—800 bgs, H J Baker & Bros, Buenos Aires
500 bgs, Buenos Aires
1,000 bgs, H J Baker & Bros, Buenos Aires
FLAXSEED—2,744,800 kilos, 109,720 bus, Archer Daniels Midland Co, Buenos Aires
1,904 bgs, 4,188 bus, Archer Daniels Midland Co, Buenos Aires
1,883,000 kilos, 75,320 bus, Archer Daniels Midland Co, Buenos Aires
508,000 kilos, 20,320 bus, Buenos Aires
FLEASEED—100 bgs, Kachurin Drug Co, Marseilles
150 bgs, P H Petry & Co, Marseilles
56 bgs, W E Martin, Marseilles
1,159 bgs, Bombay
FUR, WASTE—36 bls, Hannel & Bennet, Antwerp
26 bls, S Rosenfelder & Son, Antwerp
GALANGAL ROOT—11 bls, W E Martin, Marseilles
GELATIN, POWDERED—17 bbls, R D McLellan, Rotterdam
34 bbls, H H Elder & Co, Rotterdam
GINGER ROOT—295 bgs, D Bacon, Europe
GLASS, DUST—9 cs, Heemsoth Kerner Corp, Antwerp
WINDOW—18 cs, Globe Shipping Co, Europe
85 cs, Semon, Bache & Co, Antwerp
1 cs, Leo Popper & Son, Antwerp
5 cs, Atlantic Freighting Co, Antwerp
571 cs, Semon, Bache & Co, Antwerp
GLUE—60 bgs, Rex & Reynolds, Antwerp
BONE—100 bgs, Transatlantic Animal By Product Co, Trieste
290 bgs, Transatlantic Animal By Product Co, Trieste
HIDE—100 bgs, Nicholas & Co, Trieste
MARINE—400 kgs, Selby, Battersby & Co, Europe
GLYCERIN—85 dms, Colgate-Palmolive-Peet Co, Casablanca
GREASE, WOOL—50 dms, American Cyanamid & Chem Co, Europe
GUAIAC EXTRACT—4 cs, Norda Essential Oil & Chem Co, Buenos Aires
GUM, ARABIC—200 bgs, I Sobin Co, Trieste
ASAFETIDA—107 cs, Bombay
BENZOIN—20 cs, American Caribbean Line, Marseilles
10 cs, Belawan Deli
CHICLE—52 bls, Chicle Development Co, Kingston
524 bls, Chicle Development Co, Puerto Barrios
COPAL—320 bgs, O G Innes Corp, Antwerp
DAMMAR—350 cs, 50 bgs, Thurston & Braidich, Batavia
63 bskts, Manufacturers Trust Co, Batavia
KARAYA—306 bgs, Bombay
KAURI—20 cs, G W S Patterson & Co, Auckland
50 cs, Garanty Trust Co, Auckland
50 cs, S Winterbourne & Co, Auckland
25 cs, 14 bgs, France, Campbell & Darling, Auckland
56 cs, Gillespie, Rogers, Pyatt Co, Auckland
LOCUST—50 bgs, Paul A Dunkel & Co, Genoa
45 bgs, Innis, Speiden & Co, Genoa
MASTIC—50 cs, Lekas & Drivas, Piraeus
SANDARAC—8 bbls, S Winterbourne & Co, Casablanca
26 bbls, F W Mead & Co, Casablanca
10 bbls, A Abecassis & M Abelson, Casablanca
TRAGACANTH—8 cs, Naivi, Noonoo & Co, Beyrouth
194 bgs, 19 cs, A D Isbetcherian, Beyrouth
183 bgs, 250 cs, E Meer & Co, Beyrouth
86 cs, S B Penick & Co, Beyrouth
4 bgs, A D Isbetcherian, Marseilles
8 bgs, Trust Co of North America, Marseilles
50 cs, 55 bgs, S B Penick & Co, Istanbul
GYPSUM—204 bgs, L A Salomon & Bros, Europe
HELIOTROPIN—5 bbls, Aromatic Prod Co, Marseilles
HOPS—100 bls, National City Bank, Trieste
144 bls, Heemsoth Kerner Corp, Trieste
311 cs, 147 bls, R F Downing & Co, Trieste
55 bls, Atlantic Forwarding Co, Trieste
110 bls, Atlantic Forwarding Co, Genoa
20 bls, Bode & Voigt, Antwerp
14 bls, Bode & Voigt, Antwerp
INFUSORIAL EARTH—125 pkgs, Asbestos Corp of America, Recife
IPECAC ROOT—19 bls, Sylvio Goguine, Rio Janeiro
22 bls, Eggers & Heinlein, Cristobal
IRON, ORE—62 dms, Reichard-Coulston, Europe
OXIDE—228 bbls, Robinson Wagner Co, Malaga
200 bbls, J Lee Smith & Co, Malaga
60 cks, J H Furman & Co, Malaga
50 cks, Wishnick Tumpeer, Malaga
68 bbls, New York & Cuba Mail S S Co, Malaga
JUNIPER TAR—5 dms, Messina
KELP MEAL—300 bgs, Consumers Import Co, Yokohama
LABDAMUM—1 keg, Lo Curto & Funk, Marseilles
LAUREL LEAVES—31 bls, Bank of Greece, Piraeus
LICORICE PASTE—1 cs, S B Penick & Co, Marseilles
265 cs, Marcel Blanc, Bilbao
LOGWOOD EXTRACT—10 cks, American Dyewood Co, Kingston
21 cks, Kingston
MANGANESE, PEROXIDE—1 keg, H Sunheimer, Europe
MAGNESITE, BOILED—500 bgs, Canadian Refractories, Fiume
MANIOC FLOUR—60 bgs, Rio Janeiro
MARJORAM LEAVES—13 bls, J H Forbes Tea & Coffee Co, Marseilles
21 bls, I Harrison & Whitney, Marseilles
49 bls, W E Martin, Marseilles
MEAKIN MEAL—200 bgs, Mitsubishi Shoji Kaisha, Kobe
MENTHOL—15 cs, Aromatic Prod Co, Marseilles
MERCURY, CHLORIDE—45 cs, C L Huisking & Co, Genoa
MINERAL, CONC—180 bgs, American Metal Co, Barranquilla
MUSTARD SEED—110 bgs, Baker Mustard Mills, Catania
18 bgs, American Express Co, Rotterdam
100 bgs, Bankers Trust Co, Rotterdam
150 bgs, A G Dunn, Copenhagen
NAPHTHALENE—500 bgs, Robert Joseph, Antwerp
OCHER—135 bgs, Reichard Coulston, Europe
80 bgs, Europe
OIL, BERGAMOT—15 qtr cs, W J Bush & Co, Messina
BIRCHTAR—6 dms, Copenhagen
CADE—3 dms, Ungerer & Co, Marseilles
CAMPHOR—15 dms, Dodge & Olcott Co, Yokohama
6 dms, Magnus, Mabee & Reynard, Yokohama
11 dms, Norda Essential Oil & Chem Co, Yokohama
CANANGA—2 dms, Stein, Hall & Co, Batavia
CHINAWOOD—87 dms, Bunge North American Grain Co, Woosung
556 tons, Bunge North American Grain Co, Woosung
563 tons, Arnhold & Co, Woosung
437 tons, Universal Trading Corp, Hongkong
407,400 lbs, Universal Trading Corp, Hongkong
CITRONELLA—24 dms, Stein, Hall & Co, Batavia
4 dms, Maschmeyer & Co, Batavia
60 dms, Geo Rueff Co, Batavia
66 dms, Batavia
CODLIVER—200 dms, Ottel Oil Co, Bergen
230 bbls, W I Chudleigh, Bergen
45 dms, Vitamerican, Inc, Yokohama
CORN—550 dms, Corn Product Refg Co, Husan
COTTONSEED—656 tons, Santos
ESSENTIAL—99 pkgs, Marseilles
1 cs, Rotterdam
3 pkgs, Bordeaux
FISH LIVER—10 dms, Mitsubishi-Shoji-Kaisha, Yokohama
FUEL—77,551 bbls, Standard Oil Co of N J, Aruba
JASMINE—2 cs, Roure Bertrand, Messina
1 cs, Fritzsche Bros, Messina
KAPOKSEED — 451,985 lbs, Mitsubishi-Shoji-Kaisha, Kobe
LEMON—10 qtr cs, W J Bush & Co, Messina
LUBRICATING—2 dms, M W Parson Import & Organic Lab, Antwerp
OLIVE—35 dms, Ionian Bank, Piraeus
200 dms, T G Cooper & Co, Piraeus
50 dms, R U Delapanha & Co, Piraeus
30 dms, Cacierno Bros, Piraeus
25 dms, Arthgo, Bianco & Co, Piraeus
200 cs, Piraeus
622 cs, Genoa
42 dms, Irving Trust Co, Marseilles
343 cs, Marseilles
50 dms, Fiore & Co, Piraeus
50 dms, Chicago Macaroni Co, Piraeus
50 dms, General Olive Oil Co, Piraeus
PATCHOULI — 1 dm, Continental Bank Trust Co, Batavia
PERILLA—676,592 lbs, Pacific Vegetable Oil Corp, Kobe
PETITGRAIN—50 cs, Norda Essential Oil & Chemical Co, Buenos Aires
25 cs, W R Grace & Co, Buenos Aires
RAPESEED—quantity, Mitsui & Co, Kobe 684,329 lbs, Mitsubishi Shoji Kaisha, Kobe
RICE BRAN—425,746 lbs, W R Grace & Co, Kobe
SOYBEAN—752 tons, Mitsui & Co, Dairen
SPIKE—8 dms, Norda Essential Oil & Chemical Co, Marseilles
VETIVER—10 dms, Stein, Hall & Co, Batavia
ORANGE PEEL—32 bgs, M M Amster, Cristobal
PAPAIN—4 cs, R J Preentiss & Co, Singapore
PAPRIKA—185 cs, Marseilles
100 bgs, Stickney & Poor Spice Co, Fiume
PATCHOULI LEAVES—37 bls, Volkart Bros, Penang
PEATMOSS—3,825 bls, Irving Trust Co, Gothenburg
73 half bls, 1,559 bls, Premier Peatmoss Corp, Gothenburg
440 bls, E Bremermann & Co, Rotterdam
1,614 bls, Premier Peatmoss Corp, Rotterdam
700 bls, Kaufmann Co, Rotterdam
PEPPER—100 bgs, J Sexton, Cartagena
BLACK—2,000 bgs, Continental Trading Corp, Singapore
WHITE—492 bgs, Oosthaven
PETROLEUM, CRUDE—47,861 bbls, New York Trust Co, Tampico
PHOSPHATE, PRECIP—1,250 bgs, Chase National Bank, Antwerp
PIMENTO—30 bgs, W E Martin, Marseilles
97 bgs, Barclay Bank, Kingston
PITCH—40 pkgs, Genoa
POPPYSEED—100 bgs, Biddle Purchasing Co, Rotterdam
100 bgs, D Hecht & Co, Rotterdam
50 bgs, F H Von Damm, Trieste
300 bgs, Superintendence Co, Trieste
110 bgs, Banque Canadienne National, Rotterdam
100 bgs, C M Van Sillevoldt, Rotterdam
400 bgs, Levy & Levis Co, Rotterdam
1,240 bgs, Catz American Co, Rotterdam
140 bgs, Biddle Purchasing Co, Rotterdam
20 bgs, American Express Co, Rotterdam
50 bgs, Otto Gerdau Co, Rotterdam
100 bgs, Corn Exchange Bank Trust Co, Rotterdam
POTASH NITRATE—200 bgs, Merchants Chemical Co, Rotterdam
QUASSIA CHIPS—160 bgs, Kingston
QUEBRACHO EXTRACT—4,653 bgs, Tannin Corp, Buenos Aires
2,888 bgs, Guaranty Trust Co, Buenos Aires
11,486 bgs, Tannin Corp, Buenos Aires
QUINCE SEED—12 bls, Vahan Simidian, Haifa
14 bls, Brown Bros Harrimann Co, Beyrouth
46 bls, Daoud Aboudi, Beyrouth
6 bls, Naivi, Noonoo & Co, Beyrouth
ROOT, MEDICINAL—43 bgs, S B Penick & Co, Genoa
ROSE BUDS—44 bls, A Y Shasha, Beyrouth
SAGE LEAVES—37 bls, Brookhaltan Trucking Co, Trieste
120 bls, E E Marks & Co, Trieste
47 bls, Van Norden & Archibald, Trieste
118 bls, Sokol & Co, Trieste
SALTCAKE, ANHYD—300 bbls, Philip Bauer & Co, Antwerp
SAPONIN—40 cs, S B Penick & Co, Rotterdam
SHEELITE—161 bgs, Chase Natl Bank, Buenos Aires
SESAME SEED—185 bgs, Bank of New York, Santos
1,500 bgs, Ataka & Co, Kobe
320 bgs, Bombay
SOAP BARK—100 bls, 1 pkg, W R Grace & Co, San Antonio
SOAP, COMMON—100 cs, R H Macy & Co, Trieste
CASTILE—27 cs, R H Macy & Co, Haifa
850 cs, Conti Product Corp, Leghorn
SODA, HYDROSULPHITE—7 dms, General Dyestuff Corp, Genoa
PRUSSIATE—205 cs, Yokohama
SILICOFLUORIDE—600 bgs, Copenhagen
600 bgs, Copenhagen
SULPHATE—3,565 bgs, W R Grace & Co, Antofagasta
SPONGES—5 bls, Atlantic Sponge & Chamois Co, Kingston
1 bl, First Natl Bank, Genoa
35 bls, J Spreyer, Nassau
3 bls, J H Rhodes & Co, Nassau
18 bls, Nassau
1 bl, Schroeder & Tremayne, Havana
REFUSE—110 bls, Johns Manville Corp, Havana
35 bls, J Spreyer, Nassau
2 bls, J H Rhodes & Co, Nassau
2 bls, Nassau
8 bls, Schroeder & Tremayne, Havana
SQUILL—70 bgs, S B Penick & Co, Catania
STARCH, RICE—280 bbls, Stein, Hall & Co, Antwerp
STEATITE—5 bbls, M Kirchberger, Leghorn
16 bbls, Caldwell & Co, Leghorn
STORAX—26 cs, Lo Curto & Funk, Marseilles
SUMAC LEAF—34 bls, Corn Exchange Bank, Catania
TALC—250 bgs, Charles Mathieu, Genoa
2,000 bgs, Whittaker, Clark & Daniels, Kobe
4,000 bgs, Whittaker, Clark & Daniels, Dairen
2,000 bgs, C B Chrystal & Co, Dairen
TALLOW—50 dms, Tupmann Thurlow Co, Bluff
133 dms, Lyttelton
28 cks, J Stein & Son, Auckland
25 dms, Tupmann Thurlow Co, Auckland
TANKAGE—481 bgs, Swift & Co, Montevideo
1,626 bgs, C Hollinshed Co, Montevideo
551 bgs, Wessel, Duval & Co, Buenos Aires
553 bgs, Buenos Aires
1,331 cakes, 4 bgs, Buenos Aires
3,000 bgs, Buenos Aires
TAPIOCA FLOUR—1,500 bgs, Stein, Hall & Co, Sourabaya
2,595 bgs, Stein, Hall & Co, Batavia
650 bgs, Samarang
250 bgs, Sino Java Handel, Cheribon
250 bgs, Manufacturers Trust Co, Cheribon
250 bgs, Bank of New York, Cheribon
4,950 bgs, H P Winter & Co, Cheribon
3,886 bgs, Cheribon
250 bgs, Manufacturers Trust Co, Batavia
248 bgs, Batavia
206 bgs, Balfour, Guthrie & Co, Pamanoekan
381 bgs, Batavia
2,757 bgs, National Adhesive Corp, Batavia
PEARL—223 bgs, Catz American Co, Batavia
SEED—53 bgs, Catz American Co, Sourabaya
TARTAR—135 bgs, Albert Mevi, Catania
367 bgs, J P Morgan & Co, Leghorn
TEAWASTE—2,079 bgs, Citro Chem Co, Singapore
TERPINYL ACETATE—1 dm, Aromatic Prod Co, Marseilles
THYME LEAVES—39 bls, W E Martin, Marseilles
TIN ORE—2,265 bgs, J Henry Schroeder Banking Corp, Arica
12,782 bgs, J Henry Schroeder Banking Corp, Antofagasta
VANADIUM—6,981 bgs, Vanadium Corp, Antofagasta
13,419 bgs, Vanadium Corp, Callao
VANILLA BEANS—21 cs, Dodge & Olcott Co, Marseilles
9 cs, J Manheimer, Marseilles
5 cs, French American Banking Corp, Marseilles
10 cs, Batavia
WATTLE BARK—3,961 bls Hammond & Carpenter, Durban

WAX, BAYBERRY—30 bgs, D Steengrafe, Buenaventura
BEES—160 bgs, Santos
30 bgs, W M Allison & Co, Casablanca
38 bgs, E A Bromund Co, Casablanca
256 bgs, Rio de Janeiro
5 seroons, Porcella, Vicini & Co, Curacao
CARNAUBA—110 bgs, American Cyanamid & Chemical Co, Rio de Janeiro
135 bgs, Bank of London & South America, Bahia
VEGETABLE—100 cs, American Cyanamid & Chemical Co, Kobe
100 cs, Mitsubishi Shoji Kaisha, Mozi
50 cs, American Cyanamid & Chemical Co, Mozi
WOLFRAM ORE—230 bgs, Irving Trust Co, Buenos Aires
100 bgs, Chase National Bank, Buenos Aires
187 bgs, J Henry Schroeder Banking Corp, Arica
307 bgs, W R Grace & Co, Mollendo
YEAST—1 cs, A Gusmer, Copenhagen
ZINC OXIDE—270 bbls, Orbis Product Corp, Marseilles
50 bbls, New York & Cuba Mail S S Co, Marseilles

New York Transit Imports

ASPHALT—120 dms, W J Byrnes & Co, Rotterdam, San Francisco
CALCIUM TARTRATE—1,219 bgs, Bordeaux, San Francisco
CAMPHOR, CRUDE — 1,000 cs, Eastman Kodak Co, Keelung, Rochester
CARAWAY SEED—150 bgs, Bank of California, Rotterdam, San Francisco
200 bgs, D Hecht & Co, Rotterdam, San Francisco
CASEIN—780 bgs, Weddel Ltd, Wellington, Montreal
315 bgs, Bank of Montreal, Wellington, Toronto
320 bgs, Bank of Montreal, Auckland, Toronto
CELERY SEED—156 bgs, R T French Co, Marseilles, Rochester
CORIANDER SEED—200 bgs, H J Mayer & Son, Casablanca, Chicago
CREAM TARTAR—100 cks, W I Chudleigh, Genoa, Canada
100 cks, H W Hobbs, Genoa, Canada
GLUE, POWDERED—9 bbls, R D McLellan, Rotterdam, San Francisco
GUM, KAURI—79 bgs, 20 cs, Lilly Varnish Co, Auckland, Indianapolis
MARJORAM LEAVES—78 bls, R T French Co, Marseilles, Rochester
OIL, LINSEED, BOILED—33 dms, First Natl Bank, Buenos Aires, Boston
LINSEED, RAW—17 dms, First Natl Bank, Buenos Aires, Boston
TEHINA—25 dms, Sacharen Bros, Alexandria, Montreal
POPPYSEED—100 bgs, D Hecht & Co, Rotterdam, San Francisco
75 bgs, J Arthurs, Istanbul, Toronto
100 bgs, J W Allen & Co, Trieste, Chicago
PYRETHRUM FLOWERS—36 bls, McKesson & Robbins, Trieste, Bridgeport
SAFFRON FLOWERS—1 cs, Sokol & Co, Genoa, Chicago
SARIETTE LEAVES—11 bls, R T French Co, Marseilles, Rochester
SESAME SEED—50 bgs, Sacharen Bros, Alexandria, Montreal
SPONGES—14 bls, Ant Strategos, Piraeus, St Louis
136 bls, Havana, London
4 bls, Nassau, Philadelphia
TANKAGE—945 bgs, Ashcraft Wilkinson Co, Buenos Aires, Atlanta
TARTAR—114 bgs, Bordeaux, San Francisco
VANILLA BEANS—17 cs, M Cortizas Co, Marseilles, Philadelphia
WAX, ABSORPTION—240 cs, Duke Laboratories, Rotterdam, Stanford, Conn

Baltimore Imports

BONEMEAL—1,755 bgs, Fiume
CHEMICALS—20 cks, Antwerp
CLAY, VALLANDER—300 cks, Rotterdam
COCONUT, DESIC—175 cs, Davao
IRON ORE—6,294 tons, Leo J Buck, Inc, Narvik
21,600 tons, Bethlehem Steel Co, Cruz Grande
MAGNESITE—11,407 bgs, Trieste
MANGANESE ORE—6,800 tons, Poti
MEAKIN MEAL—1,000 bgs, Kobe
OIL, FUEL—78,000 bbls, Standard Oil Co, N J, Aruba
PHOSPHATE, AMMONIATED—762 bgs, Antwerp
POTASH CHLORATE—1,775 dms, Antwerp
SARDINE MEAL—30,000 bgs, Seisin
SODA SILICOFLUORIDE—400 bgs, Gothenburg
UMBER, BURNT—638 bgs, Trieste
ZINC CONC—3,400 tons, Halifax, N S

Boston Imports

BRISTLES—50 cs, Kane Import Co, Shanghai
50 cs, Kane Import Co, Kobe
CHILLIES—23 bgs, Volkart Bros, Kobe
MEAKIN MEAL—2,204 bgs, Mitsubishi-Shoji-Kaisha, Kobe
PEPPER, BLACK—258 bgs, Catz American Co, Oosthaven
225 bgs, Oosthaven
SARDINE MEAL—4,596 bgs, Mitsubishi-Shoji-Kaisha, Kobe
SESAME SEED—120 bgs, Ataka & Co, Shanghai
TAPIOCA FLOUR—1,000 bgs, Sino Java Handel, Cheribon
1,000 bgs, Merchants Natl Bank, Cheribon
1,000 bgs, Industrial Trust Co, Batavia
1,200 bgs, Batavia
PEARL—168 bgs, Catz American Co, Cheribon

Charleston Imports

TAPIOCA FLOUR—1,244 bgs, Batavia

Houston Imports

CHILLIES—112 bgs, Volkart Bros, Kobe
PEPPER, BLACK—900 bgs, Oosthaven

Jacksonville Imports

TAPIOCA FLOUR—300 bgs, Batavia

Los Angeles Imports

AGAR—1,330 lbs, Kobe
90 lbs, Yokohama
AMMONIA PHOSPHATE—80,640 lbs, Trail
APRICOT KERNELS—240 lbs, Hongkong
BONEMEAL—56,000 lbs, Tsingtao
BONES—1,843,520 lbs, Buenos Aires
CAMPHOR, REFD—1,000 lbs, Kobe
1,000 lbs, Japan
CARBON, ACTIVATED—10,900 lbs, Glasgow
CHEMICALS—40 lbs, Yokohama
CHILLIES—9,000 lbs, Kobe
COALTAR PRODUCTS—20 lbs, Yokohama
2 lbs, Kobe
COCONUT, DESIC—321,700 lbs, Manila
COPRA MEAL—792 sx, 79,200 lbs, Manila
CUTTLEFISH BONE—2 cs, 60 lbs, Hongkong
DRUGS—320 lbs, Hongkong
ERGOSTEROL—430 lbs, Budapest
FISH LIVERS—100 tins, 4,000 lbs, Kobe
380 tins, 15,200 lbs, Yokohama
GLASS, WINDOW—302 pkgs, 16,740 lbs, Brussels
GRAPHITE, AMORPH—22,400 lbs, Keijo
GREASE, WOOL—23,300 lbs, Hull
HERBS—30 lbs, London
LIME—119,700 lbs, Vancouver
MACE—2,320 lbs, Dutch East Indies
MEDICINAL PREPS—780 lbs, Yokohama
40 lbs, Kobe
790 lbs, Japan
MOSS, CRUDE—4,410 lbs, Liverpool
NUTMEGS—5,090 lbs, Dutch East Indies
OIL, CHINAWOOD—649,600 lbs, Hongkong
OLIVE—25 dms, 11,000 lbs, Athens
10,170 lbs, Milan
SESAME—40 lbs, Hongkong
PEATMOSS—49,280 lbs, Glasgow
PEPPER, BLACK—220,500 lbs, Sourabaya
WHITE—42,000 lbs, Sourabaya
QUEBRACHO EXT—117,730 lbs, Asuncion
4,470 bgs, 475,090 lbs, Buenos Aires
RICE FLOUR—1,000 lbs, Yokohama
400 lbs, Kobe
SESAME SEED—300 lbs, Yokohama
448,000 lbs, Dutch East Indies
SOAP, TOILET—300 lbs, Tokio
SODA CHLORATE—1,900 lbs, Cellina, France
99,000 lbs, Paris
SOYBEANS—2,000 lbs, Yokohama
STARCH—640 lbs, Yokohama
TALC—40,000 lbs, Kobe
TOILET PREPS—980 lbs, Yokohama
100 lbs, Tokio
150 lbs, Kobe
WAX, VEG—4,480 lbs, Kobe
ZINC OXIDE—11,020 lbs, Antwerp

Mobile Imports

BLOOD, DRIED—2,000 bgs, Buenos Aires
2,044 bgs, C Hollinshed Co, Montevideo
6,364 bgs, Buenos Aires
544 bgs, J C Jett & Co, Buenos Aires
2,007 bgs, H J Baker & Bros, Buenos Aires
BONES—654 bgs, Harleigh & Co, Montevideo
3,291 bgs, Harleigh & Co, Buenos Aires
MEAL—1,160 lbs, Ashcraft, Wilkinson & Co, Buenos Aires
COCOA RESIDUE—3,530 bgs, H J Baker & Bros, Rotterdam
6,250 bgs, Guaranty Trust Co, Rotterdam
HOOFS—1,087 bgs, Chas Hollinsed Co, Montevideo
FERTILIZER—2,223 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
QUEBRACHO EXTRACT—2,175 bgs, International Product Corp, Buenos Aires
TANKAGE—4,203 bgs, H J Baker & Bros, Buenos Aires
1,000 bgs, Wilson & Co, Buenos Aires
TAPIOCA FLOUR—3,720 bgs, Stein, Hall & Co, Batavia
599 bgs, Stein, Hall & Co, Cheribon
1,797 bgs, Batavia

Philadelphia Imports

COCOA BEANS—1,000 bgs, Bank of Manhattan, Bahia
CORK, RUSTIC—626 bls, Armstrong Cork Co, Casablanca
VIRGIN—11,941 bls, Armstrong Cork Co, Casablanca
WASTE—2,264 bls, Armstrong Cork Co, Djidjelli
931 bls, Armstrong Cork Co, Casablanca
4,480 bls, Armstrong Cork Co, Casablanca
3,977 bls, Armstrong Cork Co, Djidjelli
WOOD—88 bls, Armstrong Cork Co, Djidjelli
FLAXSEED—3,732 tons, 4,618 bgs, Buenos Aires
FLUORSPAR—2,300 tons, Irving Trust Co, St Raphael
1,200 tons, St Lawrence
GRAPHITE—50 tons, New York Trust Co, Colombo
MAGNESITE—17,688 bgs, Trieste
330 bgs, Central Magnesite & Magnesia Co, Thessaloniki
MOLASSES—480,082 gls, North American Trading & Import Co, Sagua la Grande
689,646 gls, North American Trading & Import Co, Havana
1,386,083 gls, Matanzas
MUSTARD SEED—50 bgs, New York Trust Co, Trieste
MYROBALANS—5,728 bgs, Bombay
4,000 pkts, Guaranty Trust Co, Calcutta
OIL, NEATSFOOT—138 bbls, 19 dms, 36 cks, Buenos Aires
RAPESEED—296 tons, Mitsubishi Shoji Kaisha, Ltd, Moji
PAPRIKA—50 bgs, O G Hempstead & Co, Trieste
PETROLEUM, CRUDE—90,146 bbls, Atlantic Refining Co, Las Piedras
119,284 bbls, Gulf Oil Corp, Puerto la Cruz
30,457 bbls, Gulf Oil Corp, Puerto la Cruz
104,327 bbls, Gulf Oil Corp, Las Piedras
SHELLAC—1,100 bgs, Chase National Bank, Calcutta
400 bgs, Bank of London & South America, Calcutta
1,000 bgs, Mac Lac & Co, Calcutta
TANKAGE—1,101 bgs, Buenos Aires
WAX, CARNAUBA—56 bgs, Philadelphia National Bank, Ceara
VEGETABLE — 50 cs, Mitsubishi Shoji Kaisha, Ltd, Moji

Wilmington Imports

POTASH SULPHATE—(Correction)—In the previous issue French Potash Salt Co was credited with 272,154 bgs; should have read 3,000 bgs, Antwerp

Exports from U.S. Ports

Baltimore Exports

GREASE, LUBRIC—29,700 lbs, Greece
SODA BICHROMATE—22,046 lbs, Greece
SOYBEAN MEAL—100 tons, Greece

Los Angeles Exports

ACETONE—5 dms, 1,790 lbs, Hongkong; 500 dms, 179,000 lbs, Yokohama
ACETPHENETIDIN—560 lbs, Melbourne
ACID, ACETYLSALICYLIC—1,000 lbs, Singapore
BORIC—95 bgs, 10,640 lbs, Melbourne
CRESYLIC—10,400 lbs, Manila
SULPHURIC—68,600 lbs, Singapore
ALUMINUM PASTE—1,500 lbs, Singapore
ASPHALT—13 dms, 6,720 lbs, Yokohama
BLEACHING POWDER—10,710 lbs, Manila
BORATE—20 kgs, 2,240 lbs, Melbourne
BORAX—200 bgs, 22,400 lbs, Hongkong; 1,000 bgs, 110,230 lbs, Shanghai; 280 bgs, 31,360 lbs, Melbourne; 1,000 bgs, 112,000 lbs, Oslo
CHEMICALS—2,480 lbs, Hongkong; 2 dms, 750 lbs, Manila
CHILI POWDER—100 lbs, Cristobal
SEEDS—3,000 lbs, Melbourne
CLAY—300 bgs, 31,360 lbs, Melbourne
ACTIVATED—2,000 sx, 100,000 lbs, Oslo
FILTER—2 sx, 100 lbs, Oslo
COALTAR PROD—7,800 lbs, Hongkong
COLOR, DRY—250 lbs, Hongkong; 2,500 lbs, Melbourne
DENTIFRICE—1,010 lbs, Singapore
DIATOMACEOUS EARTH—46 bgs, 4,000 lbs, Shanghai; 8,000 lbs, Panama; 1,000 bgs, 100,000 lbs, Havana
ETHYL ACETATE—10 dms, 3,970 lbs, Hongkong
GASOLINE—62,637 bbls, Manila; 500 dms, Manila
GELATIN—60 lbs, Hongkong
GINSENG—4,200 lbs, Hongkong
GLASS, PLATE—11 cs, 32,100 lbs, Melbourne
GLUE—500 lbs, Manila
GREASE—41 pkgs, 2,750 lbs, Singapore
HOPS—6,030 lbs, Melbourne
INSECTICIDE LIQ—1,310 lbs, Manila; 350 lbs, Melbourne
KEROSENE—31,038 bbls, Manila
LACQUER—880 lbs, Manila; 9,650 lbs, Manila; 6,030 lbs, San Juan
THINNER—19,040 lbs, Manila
LITHARGE—200 lbs, Hongkong
MEDICINAL PREPS—450 lbs, Hongkong
METHYL BROMIDE—3 cyls, 150 lbs, Melbourne
METHYLETHYL KETONE — 4 dms, 1,400 lbs, Kobe-Osaka
MOLYBDENUM CONC—3,900 bbls, 2,328,970 lbs, Leningrad
OIL, DIESEL—55,650 bbls, Ofunata-Keelung; 10,377 bbls, Yokahama-Osaka-Moji-Nagasaki; 30,629 bbls, Tsurumi-Kamaisha; 48,227 bbls, Balboa; 1,396 bbls, Puerto Armuelles
FISH—2,350 lbs, Oslo
FUEL—39,367 bbls, Tsurumi-Kamaisha
LUBRICATING—25 dms, Colon; 150 dms, Melbourne; 328 pkgs, Siugapore; 26 dms, San Juan; 50 dms, Mayaguez
PAINT—4,130 lbs, Aibonito
SARDINE—4,130 lbs, Melbourne
PAINT—240 lbs, Singapore
ALUMINUM—140 lbs, Cebu
PREPARED—3,420 lbs, Manila
THINNER—18,550 lbs, Singapore
PECTIN, CITROUS — 6,960 lbs, Melbourne; 1,120 lbs, Melbourne
PETROLEUM, CRUDE — 63,200 bbls, Ioco; 25,139 bbls, Vancouver
GAS, LIQ—174 cyls, 6,980 lbs, Melbourne
PHARMACEUTICAL PREPS — 10,000 lbs, Manila; 100 lbs, Singapore
POLISH—8,440 lbs, Melbourne
PUTTY—1,080 lbs, Manila
QUICKSILVER—80 lbs, Puntarenas
SILICATE—8,000 lbs, Melbourne
SOAP, LAUNDRY—128,400 lbs, San Juan; 68,920 lbs, Ponce
SODA, CAUSTIC—2,000 lbs, Hongkong
PHOSPHATE, TRI—2,000 lbs, Manila
TALC—2,360 lbs, Manila
TOILET PREPS—200 lbs, Georgetown; 260 lbs, Rabaul; 550 lbs, Manila; 970 lbs, Singapore
ZINC STEARATE—600 lbs, Hongkong

New Orleans Exports

AMMONIA NITRATE—109 tons, Cristobal
ASPHALT—133 tons, Cristobal
CALCIUM, ARSENATE—50 tons, Cristobal
FERTILIZER—22 tons, Puerto Armuelles
GASOLINE—18 tons, Belize
LARD—32 tons, Puntarenas; 54 tons, Puerto Limon; 29 tons, Santiago; 10 tons, Santa Marta; 41 tons, Cartagena; 84 tons, Barranquilla; 10 tons, Belize
PARAFFIN—15 tons, Cristobal; 10 tons, Barranquilla
POTASH CHLORIDE—15 tons, Cristobal
ROSIN—13 tons, Cristobal
SALT—54 tons, Havana; 20 tons, Belize

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—20,928 bbls, Oleum; 717 bbls, San Diego; 1,856 bbls, San Diego; 3,230 bbls, San Diego; 78,611 bbls, San Francisco; 28,713 bbls, Seattle; 61,133 bbls, Seattle; 1,655 bbls, Seattle; 41,367 bbls, Seattle
KEROSENE—16,756 bbls, Oleum; 10,737 bbls, Seattle
OIL, DIESEL—17,559 bbls, Oleum; 1,400 bbls, San Diego; 22,157 bbls, Seattle; 20,382 bbls, Seattle; 21,474 bbls, Oleum; 4,358 bbls, Seattle
FUEL—33,588 bbls, Oleum; 60,000 bbls, Portland; 47,370 bbls, Richmond; 102,544 bbls, Richmond; 50,861 bbls, Oleum; 47,032 bbls, Portland; 2,340 bbls, Portland
FURNACE—85,778 bbls, New York; 16,907 bbls, Seattle
SOLVENT, CLEANING—3,062 bbls, Oleum; 2,059 bbls, Seattle

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended January 3

Cassia oil, 30 drums; not U.S.P.
Codliver oil, 300 drums; restricted use.
Eucalyptus oil, Formosan, 10 drums; restricted use.
Henbane, 72 sacks; restricted use.
Mace, 4 cases, worm-eaten and moldy.
Medicinal preparations, 2 cases; dangerous drug.
Medicinal preparations, 3 cases, false and misleading statements.
Nutmegs, 269 bags; restricted use.

Boston

Week Ended January 3

Codliver oil, 500 barrels; deficient in vitamin A.
Medicinal preparation, 1 package; false and misleading statements.

Buffalo

Week Ended January 3

Medicinal preparation, 1 package; new drug.

Denver

Two Weeks Ended December 21

Hair dye, 25 pieces; contains paraphenylenediamine and no warning statement.
Medicinals, 4 pieces; false therapeutic claims.

Los Angeles

Two Weeks Ended December 21

Medicinals, 605 pieces; false therapeutic claims.
Sesame seed, 2,285 bags; filthy.

Philadelphia

Week Ended January 3

Coriander seed, 200 bags, filthy.

San Francisco

Two Weeks Ended December 21

Medicinal, 19 pieces; false therapeutic claims.

Seattle

Two Weeks Ended December 21

Sesame seed, 5 cases; filthy.
Water, lye, 2 cases; label fails to bear: —common name and word "Poison."

Small Manufacturers Federation Formed

The organization of the National Federation of Small Manufacturers, as a further step in the movement of State industrialization and relief of unemployment, has been announced by Bruno, M'Coy, Hasson & Bruckert, industrial consultants, this city.

The purpose of the federation is to weld the small manufacturers into a protective body for the betterment of their conditions. The federation will assist members in obtaining Federal and private loans; in obtaining favorable legislation, comparable to larger companies; in establishing better credit arrangements and in striving to expand markets. Other small business groups throughout the country will be invited to represent themselves in the new organization.

The federation will be represented in twelve regional districts. The divisional headquarters will be in New York, where the following departments will be operated: Legislative, finance, taxes, sales, advertising, engineering, publicity, industrial fair trade, labor, arbitration, welfare, development, policy and progress.

John Albert Brown, president of the Socony-Vacuum Oil Company, has been appointed chairman of the 1940 Greater New York Fund campaign.

CLEANING MILLING
GUMS, DRUGS
FOOD PRODUCTS
To
Your Specifications
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N. J.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

EXPORT TO SWEDEN: Swedish manufacturer's agent, established twenty-six years, with excellent contacts in paint, varnish and chemical manufacturing fields, desires first class agencies for paint, varnish and color raw materials; also heavy and light industrial chemicals. Detlow B. von Braun, Skeppsbron 4, Gothenburg, Sweden.

RELIABLE and long established chemical jobbers, thoroughly familiar with raw material sources, desire to act as U. S. representatives of foreign purchasers of industrial chemicals, pharmaceuticals, solvents, aromatics, coal-tar products, etc. References exchanged. BOX 667, Oil, Paint and Drug Reporter.

Capital Offered

IF COLOR manufacturer wants capital, am willing to listen to any proposition. Know the business. BOX 659, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Wanted

WANTED—One used 36x36-inch Sperry filter press with about 40 recessed plates, completely equipped with cocks, grommets and gutter. The Glidden Co., Vegetable Oil Division, Buena Park, California.

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 656, Oil, Paint and Drug Reporter.

WANTED—All equipment for a small paint plant laboratory, including flat stone mill, mixer, miniature pebble mill, small electric baking oven, balances, etc. Used or reconditioned equipment preferred. BOX 637, Oil, Paint and Drug Reporter.

WANTED TO RENT, Carver laboratory hydraulic press. BOX 660, Oil, Paint and Drug Reporter.

WANTED: One used rotary dryer, 3 to 4 ft. in diameter and 16 to 20 ft. long to be used for feed. Quote prices. BOX 662, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY—50x90 one story, sprinkler system, concrete floor, live steam available 24 hours per day, railroad siding. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Materials Offered

FOR SALE—100 pounds pure electrolytic iron powder; 200 pounds zirconium metal powder; 10 tons shredded zinc metal; 10 tons arsenic metal; 1,000 pounds pitchblende; 150 pounds barbituric acid; 5 tons edible lactic acid; 100 gallons methyl methylacrylate monomer. BOX 665, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST experienced in the manufacture of line of acetate colors, formaldehyde colors, and sulphur colors, seeks connection. Someone with an azo unit preferred. Also capable of marketing above. BOX 635, Oil, Paint and Drug Reporter.

DETAIL MAN—With thorough experience in pharmaceuticals and biologicals, and fine educational background, wishes to connect with first class firm. Highest type references. BOX 661, Oil, Paint and Drug Reporter.

EXPERT SHADER—Would like to connect with reliable firm. First class reference, 18 years experience. Will locate anywhere. Can handle men and get production. Can shade anything in paints, enamels and flats. BOX 663, Oil, Paint and Drug Reporter.

CHEMICAL SALESMAN with contacts in metropolitan New York districts; familiar with all phases of marketing; desires to make new connection offering wider opportunity. Linguist. BOX 664, Oil, Paint and Drug Reporter.

Positions Wanted

NEW YEAR'S RESOLUTION—Young organic chemist with recent masters degree and sales personality resolves to get out of the blind alley he finds first job to be. Seeks laboratory or sales position with some future. BOX 666, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stocks

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

SPECIALS

2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
12—Ball Mills, 10 gal. to 500 gal.

Many other attractive bargains.
Send for illustrated bulletin.

LIQUIDATIONS

FINAL CLEANUP
MANN BROS. CO., BUFFALO, N. Y.
Linseed Crushing and Refining Plant
Hydraulic Presses, Pumps, Accumulators, Filter Presses, Cookers, 5-Roll Crushers, Cake Trimmers, Conveyors, Motors, Grinders, Disintegrators, Elevators, Bagging and Weighing Machines and General Factory and Office Equipment.
Send for illustrated circular.

FOOD PRODUCTS PLANT
(Name withheld by request)
Cleveland, Ohio
Labellers, Fillers, Cappers, Glass lined jack. Kettles, Monel jack. Kettle, Nickel Vacuum Stills, Viscolizers, Conveyors, Pumps, etc.
Send for detailed list.

IMPORTANT
Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

Consolidated Products Co., Inc. 13-18 Park Row :: :: New York, N.Y.
SHOPS 335 Doremus Ave., Newark, N.J.

Oils, Fats and Waxes

Fatty Acids

—Continued from page 45

Red Oil.—No material broadening of business was noted but the movement of moderate quantities showed some increase and the market retained a steady tone.

Stearic Acid.—The tone of the market appeared to be steadier though quotations were generally held at previous levels. Business was somewhat more active.

Markets at Other Centers

Chicago, Jan. 5.—Trade in most grades of fatty acids has been mainly of a routine nature.

Fatty Acids.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; coconut oil, acidulated, 10c. to 10¼c., tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; 11c. to 11¼c., barrels, less than car lot; cottonseed oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3½c.; boiled down cottonseed soap stock, 65 percent basis, 4c. to 4½c.; cottonseed foots, 50 percent basis, 1¾c. to 1⅞c.

Stearic Acid.—Distilled, single press, 11½c. to 12½c. per pound; double press, 12c. to 13c.; triple press, 14¾c. to 15¾c.

Animal Oils

Lard.—Firmer, some grades being advanced ¼c. per pound. A somewhat better inquiry was noted for moderate lots for prompt shipment.

Neatsfoot.—Quotations were unchanged to ¼c. per pound higher. Business continued along conservative lines.

Oleo.—Quotations on spot material were shaded ⅛c. to ¼c. per pound, but the tone of the market appeared to be steadier later on.

Tallow.—Local spot prices advanced ⅛c. Business remained quiet.

Markets at Other Centers

Chicago, Jan. 5.—Animal oils are displaying a considerable degree of stability.

Lard.—No. 1, 8¾c. to 9c. per pound.
Oleo.—Prime, 8c. to 8¼c. per pound.
Tallow.—Acidless, 8c. to 8¼c. per pound, tanks.

Rat-Killer Standards Asked

Amendment of the Federal insecticide act to extend its provisions to rodenticides is proposed in a draft of legislation sent to Congress by the Department of Agriculture. The proposal covers poisons to be used for the destruction of rats, squirrels, and similar animals. The department took the action at the request of the trade, and the proposed amendment was worked out cooperatively by manufacturers and the department.

Union Oil Company of California has called for redemption January 31 approximately $250,000 of its twenty-year series A 6 percent bonds, due May 1, 1942.

Trade Briefs

Tin ore mined in Alaska in 1939 is estimated to have contained approximately 74,700 pounds of the metal.

A. S. Russell has been elected a vice-president of the Standard Oil Company of California, succeeding R. W. Hanna.

New Mexico in 1939 produced $3,362,108 worth of zinc and $546,300 worth of lead, showing substantial increases for both metals.

National Petroleum Association's department of standards and tests will hold its semi-annual meeting at Bradford, Pa., on January 11.

William J. Campbell, Briggs-Maroney Company, Boston paint concern, recently became a father for the third time. All the children are boys.

Henry P. Bristol, president of the Bristol-Myers Company, pharmaceutical manufacturer, this city, has been elected to the directorate of the Irving Trust Company.

Robert P. Bonnie, secretary of the Kentucky Color & Chemical Company, Louisville, has been elected president of the Associated Industries of Kentucky.

Cyril S. Kimball, of Foster D. Snell, Inc., spoke before the student branch of the American Institute of Chemical Engineers at Cooper Union, December 20, on the subject "A Short Trip Around a Consulting Chemical Laboratory." He discussed the diversified problems of the consulting chemist, giving illustrative stories to bring out his points.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

National Pest Control Association, of which W. O. Buettner is secretary, has approved an increase in the annual dues to $15.

Joseph M. Sanchis, laboratory expert for the California State Department of Water and Power, has been granted a leave of absence until April 4, 1941, to establish laboratory water treatment plants for Venezuela.

Ohio Chemical & Manufacturing Company's stockholders' meeting to vote on a plan of reorganization and sale of assets to the Air Reduction Company, this city, has been postponed until January 19.

P. B. Sullivan, who is retiring from the National Lead Company after an affiliation of forty-four years, was honored at a testimonial dinner in the Hotel Gibson, Cincinnati, December 27. Coworkers from ten States were present.

Index to Advertisements

Advance Solvents & Chemical Corp.. —
Alexander, Jerome.... 49
American Agricultural Chemical Co.. 1
American-British Chem. Supplies, Inc. —
American Can Co.... —
American Cyanamid & Chem. Corp. 12, 13
American Flange & Mfg. Co., Inc.... —
American Potash & Chemical Corp.. 49
Anderson-Prichard Oil Corp.... —
Angus, W. W., Inc.... 44
Apex Chemical Co., Inc.... —
Atlantic Coast Fisheries Corp. of N. Y. 48
Atlantic Refining Co.... —

Baker, J. T., Chemical Co.... 48
Barium & Chemicals, Inc.... 30
Barium Reduction Corp.... 28
Barrett Company.... 32, 57
Benzol Products Co.... —
Binney & Smith Co.... 60
Bradley, A. J., Mfg. Co.... 39
Brighton Copper Works.... —
Brode, Corp., The.... 63
Brown, Leland, Laboratories.... 49
Bureau of Chemistry.... 69
Bush, W. J., & Co., Inc.... —

Calco Chemical Co.... —
Calif. Fruit Growers' Exchange.... 16, 61
Calvert, Robert.... 49
Carbide & Carbon Chemicals Corp.... 2
Carey, The Philip Co.... —
Carpinello, M. J.... 49
Chambliss, Hardee.... 49
Chaplan & Bibbo, Inc.... 48
Chemical Solvents, C. P., Inc.... 62
Chilean Nitrate Sales Corp.... —
Chipman Chemical Co.... 51
Church & Dwight Co.... 28
Climax Molybdenum Co.... 8
Colgate-Palmolive-Peet Co.... 48
Colledge, E. W., General Sales Agent.. —
Colton, Arthur, Co.... 62
Columbia Alkali Corp.... —
Commercial Solvents Corp.... —
Conewango Refining Co.... —
Conray Products Co.... —
Consolidated Products Co., Inc.... 60
Consumers Import Co., Inc.... 48
Continental Can Co.... —
Continental Carbon Co.... —
Crown Can Co.... 19
Crown Oil Products Corp.... 43
Cuban American Manganese Corp.... —

Darling & Co.... —
Day Chemical Co.... 49
Dewey & Almy Chemical Co.... —
Diamond Alkali Co.... 29
Dodge & Olcott Co.... —
Doggett, Stanley, Inc.... 41
Dorward & Sons Co.... 45
Douglass Sulphur Co.... 57
Dow Chemical Co.... —
Dunkel, Paul A., & Co., Inc.... 51
DuPont de Nemours, E. I., & Co.... 9, 62
Durez Plastics & Chemicals, Inc.... —

Eastman Kodak Co.... —
Ehrlich, J.... 49
Electrical Testing Laboratories.... 49
Electro Bleaching Gas Co.... 10
Ellis Foster Co.... 49
Emery Industries, Inc.... 43

Fezandie & Sperrle.... 31
First Machinery Corp.... 60
Food Research Laboratories, Inc.... 49
France, Campbell, & Darling, Inc.... —
Frank-Vliet Co.... —
Franks Chemical Products Co.... —
Freeport Sulphur Co.... —
Fritzsche Bros., Inc.... 52, 55
Fulton Bag & Cotton Mills.... —

Gane & Ingram, Inc.... —
General Chemical Co.... —
General Drug Co.... 52
General Dyestuff Corp.... —
General Electric Co.... —
General Petroleum Corp. of Calif.. .. —
Gesell, R., Co., Inc.... —
Givaudan-Delawanna, Inc.... 38
Glyco Products Co., Inc.... —
Gray, William S., & Co.... 1
Gray Industrial Laboratories.... 49
Greeff, R. W., & Co., Inc.... 39
Gross, A., & Co.... 43
Gruman, J. B., & Co.... 59

Hammond, W. A., Drierite Co.... —
Hardesty, W. C., Co., Inc.... —
Harshaw Chemical Co.... 25
Heekin Can Co.... —
Helion Chemicals Corp.... —
Heyden Chemical Corp.... 47
Hilton-Davis Chemical Co.... 38
Hochstadter Laboratories.... 49
Hoit, C. J., & Co., Inc.... 49
Hooker Electrochemical Co.... —
Hopkins, J. L., & Co.... 51
Huisking, Charles, L., & Co., Inc.... —
Hutchinson, D. W., & Co., Inc.... 53

Imperial Oil & Gas Products Corp.... 37
Imperial Paper & Color Corp.... 39
Independent Mfg. Co.... —
Industrial Consulting Labs., Inc.... 49
Innis, Speiden & Co.... —
International Pulp Co.... —
International Selling Corp.... 30
International Vitamin Corp.... —
Irvington Smelting & Refining Works 28

Jungmann & Co., Inc.... 45

Kentucky Color & Chemical Co.... 39
Knight, B. H.... 49
Koppers Co.... 33
Krebs Pigment & Color Corp.... —

Laning, E. M., Co.... 49
LaWall & Harrisson.... 49
Leghorn Trading Co.... 47
Lemke, B. L.... 48
Leonhard, Theodor, Wax Co., Inc.... —
Luaces, E. L., & Associates.... 49
Lueders, George, & Co.... 53

Magnetic Pigment Co.... 40
Magnus, Mabee & Reynard, Inc.... 53
Mallinckrodt Chemical Works.... —
Mantrose Corp.... —
Maschmeijer, A., Jr., Inc.... —
Mathieson Alkali Works, Inc.... 23
Merck & Co.... 46
Metasap Chemical Co.... —
Meyer, Herman, Drug Co., Inc.... —
Miel, George A.... 49
Mineralite Sales Corp.... 41
Minnesota Specialty Co.... —
Molnar Laboratories.... 49
Monsanto Chemical Co.... —
Munch, James, & Co.... 49
Mutual Chemical Co. of America.... 31

National Aniline & Chemical Co., Inc. —
National Lead Company.... —
National Milk Sugar Co., Inc.... 47
National Rosin Oil & Size Co., Inc.... 41
Natural Products Refining Co.... 31
Neuberg, William, Inc.... 48
Neville Co.... —
New Jersey Zinc Co.... 42
Newport Industries, Inc.... —
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp.... 31
Niagara Alkali Co.... —

Oldbury Electrochemical Co.... 36
Orbis Products Corp.... —
Orthmann Laboratories, Inc.... 49
Osborn, C. J., Co.... 38

Pacific Coast Borax Co.... 1
Pacific Vegetable Oil Corp.... —
Paramet Chemical Corp.... 37
Parsons, M. W.... 41
Paul, Edw., P., & Co.... —
Pellerano, S.... 49
Penick, S. B., & Co.... 50
Pennsylvania Coal Products Co.... —
Pennsylvania Oil Products Refining Co.... 62
Pennsylvania Refining Co.... 54
Petroleum Specialties, Inc.... —
Pfaltz & Bauer, Inc.... —
Pfizer, Chas., & Co., Inc.... 27
Philipp Brothers, Inc.... —
Polachek, Z. H.... 49
Potash Co. of America.... —
Pressed Steel Tank Co.... —
Prior Chemical Corp.... 1
Procter & Gamble.... 43, 47
Publicker Commercial Alcohol Co.... 1
Purdy, W. S., Co., Inc.... 49
Pure Calcium Products Division.... 1

Raisch, John E., & Co.... 49
Reichhold Chemicals, Inc.... —
Reichhold Chemicals, Inc., Chem Color Division.... 24
Reklamefondet for Norsk Medicintran 48
Republic Steel Corp.... 34
Rimberg, A. J., Co.... 45
Rosenthal, H. H., Co., Inc.... —
Rufert Chemical Co.... 55
Ryland, H. C., Inc.... 53

Sadtler, Samuel P., & Sons, Inc.... 49
St. Joseph Lead Co.... —
Schofield-Donald Co., Inc.... —
Schwarz Laboratories, Inc.... 49
Seil, Putt & Rusby, Inc.... 49
Senn, Geo.... 38
Shanahan's, Ltd.... —
Shell Oil Co., Inc.... 21
Sherwood Petroleum Co., Inc.... 55
Signode Steel Strapping Co.... 48
Skelly Oil Co., Inc.... 20
Sloman, Ira, I.... 49
Smith, Kline & French Labs.... —
Snell, Foster D., Inc.... 49
Socony-Vacuum Oil Co., Inc.... —
Solvay Sales Corp.... 30
Sonneborn, L., Sons, Inc.... 62
Standard Alcohol Co.... —
Standard Ultramarine Co.... 39
Stauffer Chemical Co.... 28
Stillwell & Gladding.... 49
Stroock & Wittenberg Corp.... —
Sun Oil Co.... —

Taintor Trading Co.... —
Tamms Silica Co.... —
Tar & Chem. Division of Koppers Co.. 33
Texas Gulf Sulphur Co., Inc.... —
Thornton, The F. C., Co., Inc.... —
Thurston & Braidich.... 41
Titanium Pigment Corp.... —
Todd, A. M., & Co.... —
Tombarel Products Corp.... —
Tropical Milling Corp.... —
Turner, Joseph, & Co.... 28

Union Carbide & Carbon Corp.... 2
U. S. Industrial Chemicals, Inc.... 17, 18
United States Potash Co.... 57

Vanderbilt, R. T., Co.... 40
Victor Chemical Works.... 30
Viking Distributing Co.... —
Vitro Manufacturing Co.... —
Vorce, L. D.... 49

Wah Chang Trading Corp.... 43
Warner Chemical Co.... —
Wecoline Products, Inc.... 45
Weiss & Downs, Inc.... 49
White Tar Co. of N. J., Inc.... 33
Wiley & Co.... 49
Will & Baumer Candle Co.... 45
Williams, C. K., & Co.... 41
Wishnick-Tumpeer, Inc.... —
Woburn Degreasing Co. of N. J.... 44
Wolf, Jacques, & Co.... —
Wood Preserving Corp.... 33
Wood Ridge Div.... —

Zophar Mills, Inc.... —

America's "No. 1"

OIL OF ORANGE

Compare this orange oil with any high grade oil and you will know why Exchange *Cold Pressed* Oil of Orange, U.S.P. is in such great demand. Ask our jobbers for sample and compare quality and price.

Exchange

COLD PRESSED, U.S.P.

Sold to the American market exclusively through:

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK CITY

•

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK CITY

Distributors for: California Fruit Growers Exchange, Products Department, Ontario, California
Producing Plant: The Exchange Orange Products Company, Ontario, California

Copr. 1939, Products Dept., California Fruit Growers Exchange

C. P. Acetone Butyl Alcohol Butyl Acetate

CHEMICAL SOLVENTS

Incorporated

11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM

FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES

L. SONNEBORN SONS, INC.

Refiners of White Oil and Petrolatum — Refineries: Petrolia and Franklin, Pa.

New York 88 Lexington Avenue

Los Angeles 215 West 5th Street

Chicago 400 West Madison Street

Southwestern Distributors: Sonneborn Bros., 2111 Taylor St., Dallas, Tex.

No. 8 Can Filler

Fills liquids or semi-Fluids into Tubes, Cans or Jars at the rate of thirty containers per minute.

Used in leading plants for filling Varnish and Enamels.

We make Filling Machines for every purpose

ARTHUR COLTON CO.

2624 East Jefferson Ave., Detroit, Michigan

Now Ready

January Price List

for

Chemicals

CLIP THIS COUPON

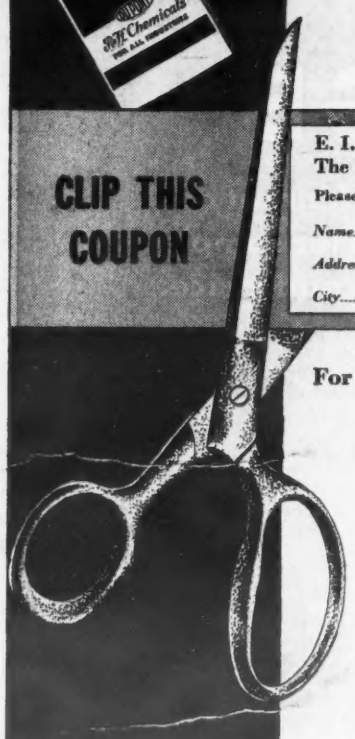
E. I. du Pont de Nemours & Co., Inc.
The R. & H. Chemicals Dept., Wilmington, Del.

Please send me the R & H Quarterly Price List.

Name.....

Address.....

City..... *State*.....



For a du Pont Source of Supply book...

Useful information about 150 chemicals for purchasing agents, technical men, operators—in fact, for all who buy or use chemicals.

Convenient group listings:

Chlorinated Solvents, Refrigerants, Peroxides, Perborates, Cyanides, Electroplating Chemicals and Anodes, Formaldehyde, Sodium, Ceramic Materials, Miscellaneous Chemicals.

Specifications . . . Packing . . . Prices . . . Containers and General Information about Industrial Uses . . .

SEND FOR A COPY TODAY

DU PONT

The R. & H. Chemicals Department
E. I. DU PONT DE NEMOURS & CO. (INC.)
Wilmington, Delaware

District Sales Offices: Baltimore, Boston, Charlotte, Chicago, Cleveland, Kansas City, Newark, New York, Philadelphia, Pittsburgh, San Francisco

AMERICAN

ELDROL

WHITE MINERAL OILS

U. S. P. AND TECHNICALS PETROLATUMS

•

PETROLATUMS

U. S. P.

Extra White
Snow White
Lily White
Cream White
Golden Amber
Extra Light Amber
Light Amber
Amber

•

U. S. P.
AND
TECHNICAL WHITE OILS

All products are guaranteed as to quality and uniformity. Specific information and experimental samples furnished on inquiry.

•

PENNSYLVANIA OIL PRODUCTS REFINING COMPANY

WARREN PENNSYLVANIA

POWER